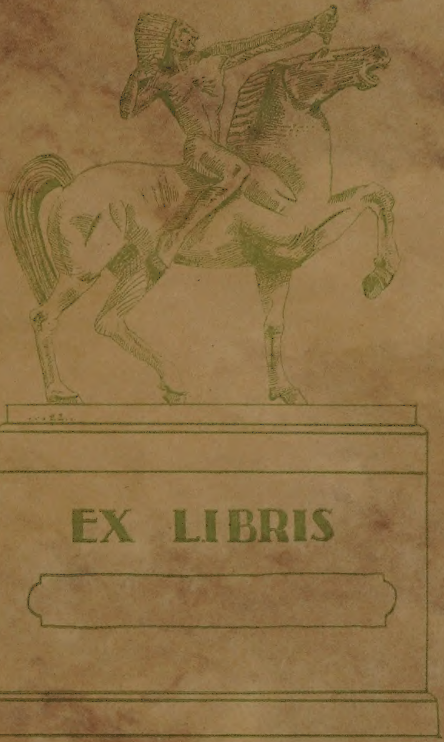
JOHN J. SCHOMMER



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THE CYCLE

of

1932

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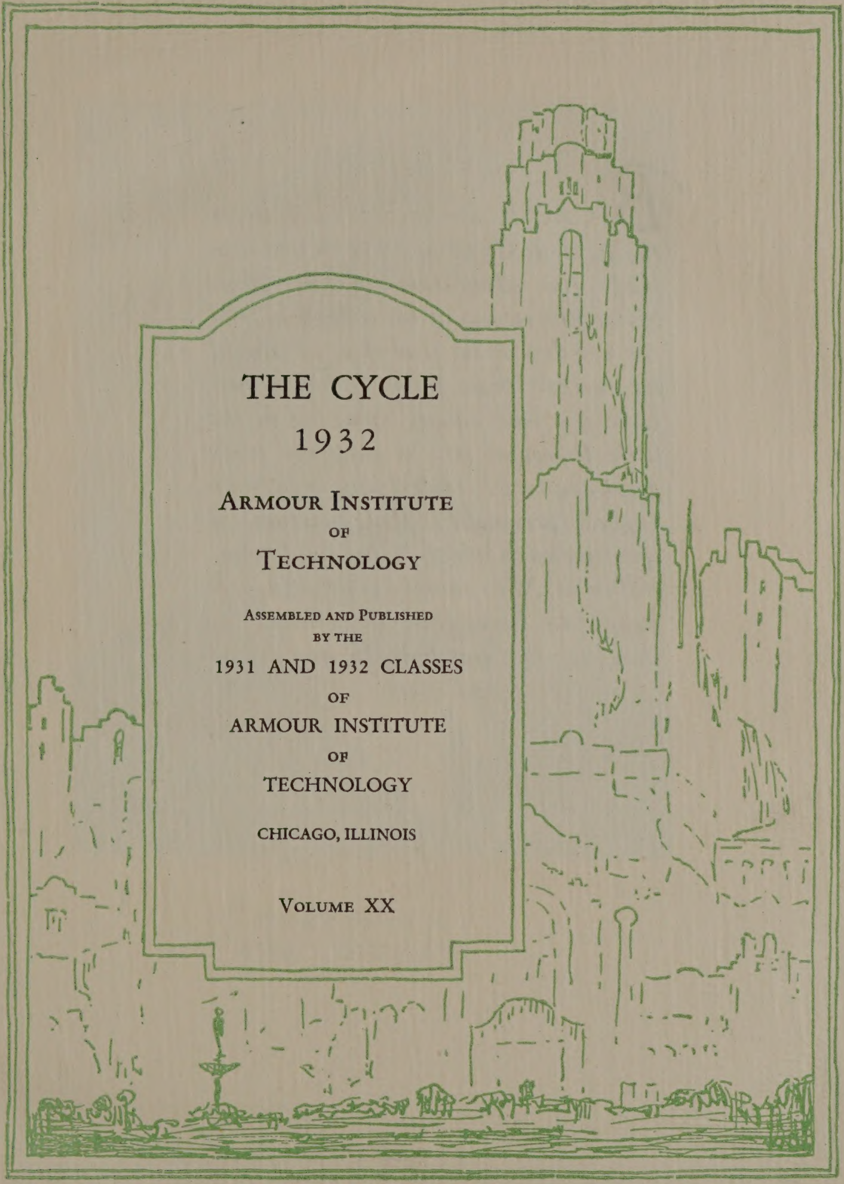


THE CYCLE

1932

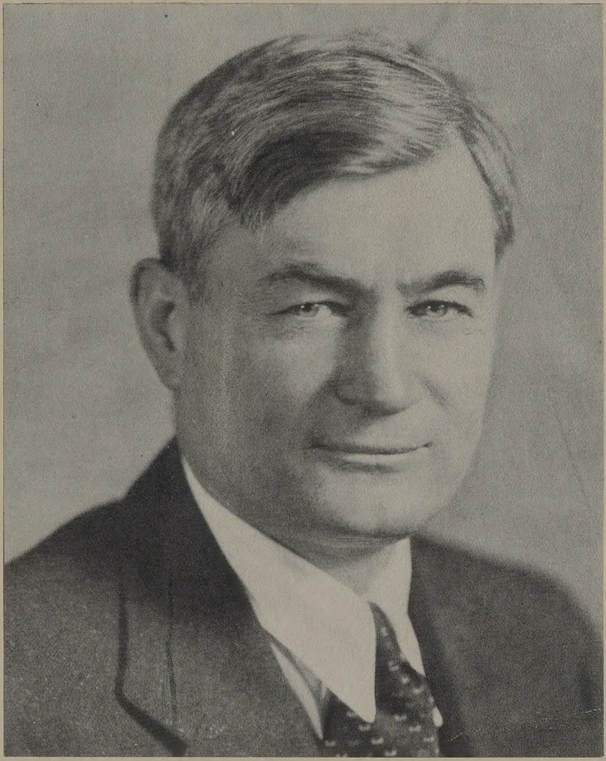
ARMOUR INSTITUTE
OF
TECHNOLOGY

ASSEMBLED AND PUBLISHED
BY THE
1931 AND 1932 CLASSES
OF
ARMOUR INSTITUTE
OF
TECHNOLOGY

CHICAGO, ILLINOIS

VOLUME XX

BECAUSE we wished to dedicate the Armour Cycle of 1932 to one who holds the admiration of his Alma Mater, the esteem of his colleagues, and the worship of his students, we sought no farther than John J. Schommer. Here is a man among men, big in the little things of life as only the truly great can be . . . embodying in his own rugged personality those virtues of sportsmanship which he has tried to instill in us. We can only say that we are happy to have this opportunity of showing our gratitude to our friend and coach.



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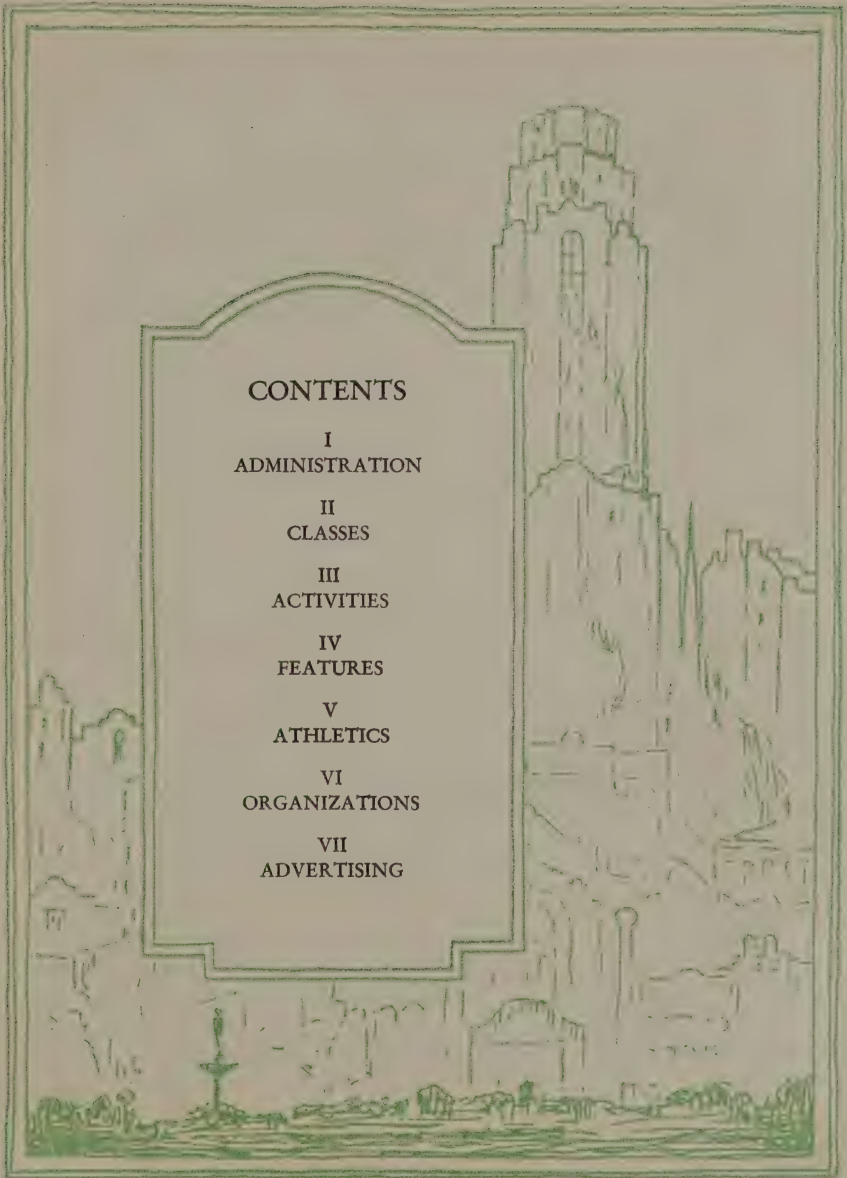
FOREWORD

The pages that follow record a year of work, and play, and fellowship. They constitute a permanent record of the life of a great institution for the year 1931-32. We have dreamed beyond a collection of names and dates, or pictures of faces and events. We have striven to capture something of the beauty and spirit in our Institute whose life we attempt to picture, something of that intangibility men call tradition; in these leaves we have sought to identify this miraculous age of Modern Mechanicism with the triumphant achievements of those who have gone before; we have tried to weave a promise of the glorious future that lies before Armour and the sons who hold her dear. If we have in some measure been successful in these ambitions, let that success reflect credit upon the Alma Mater which has fostered in us the desire to do her honor.



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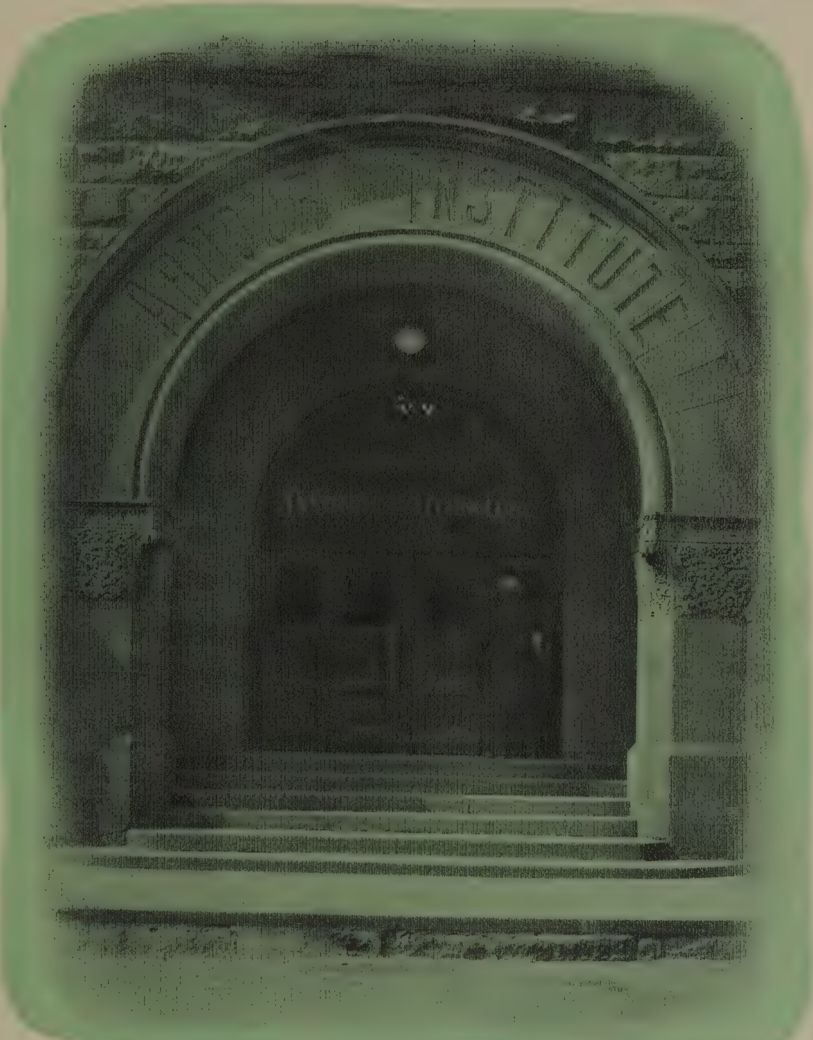
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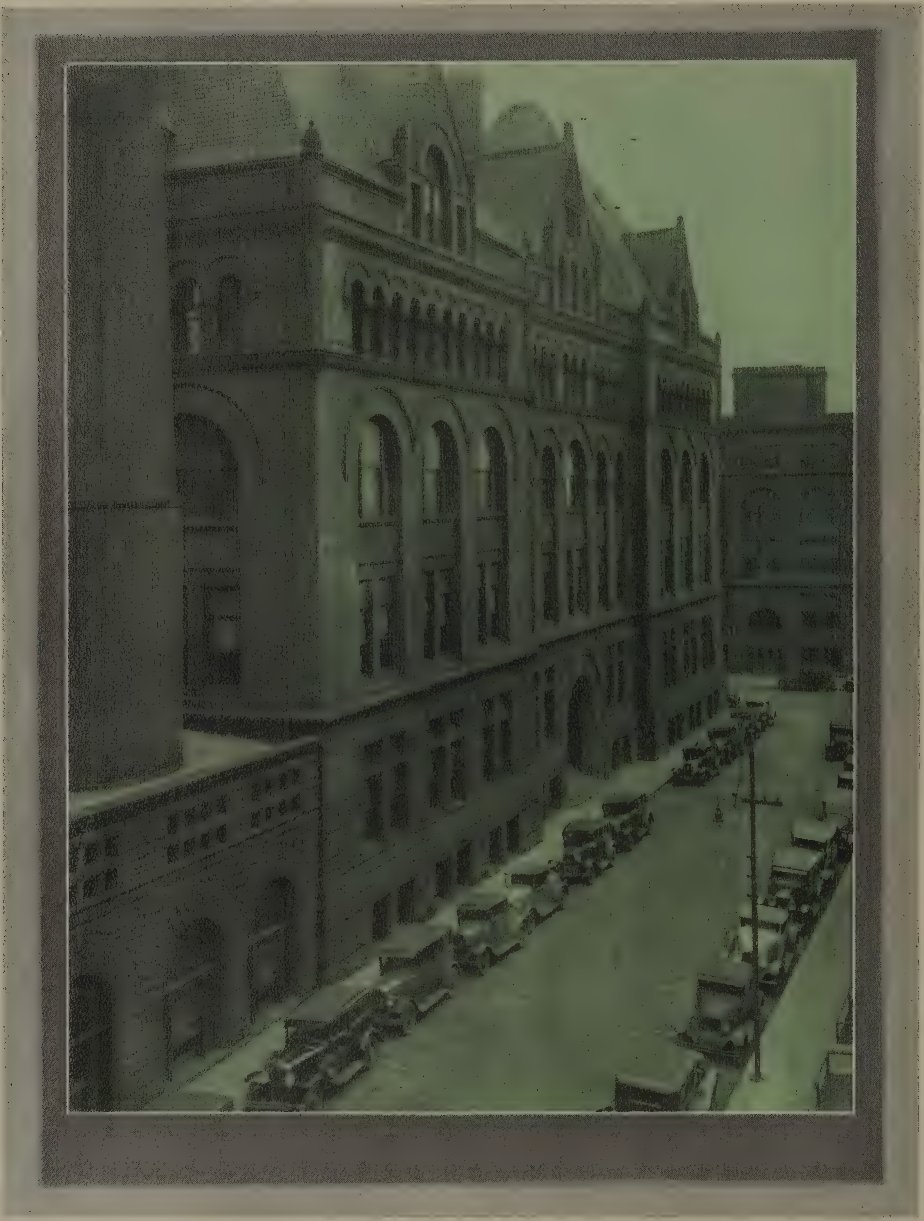
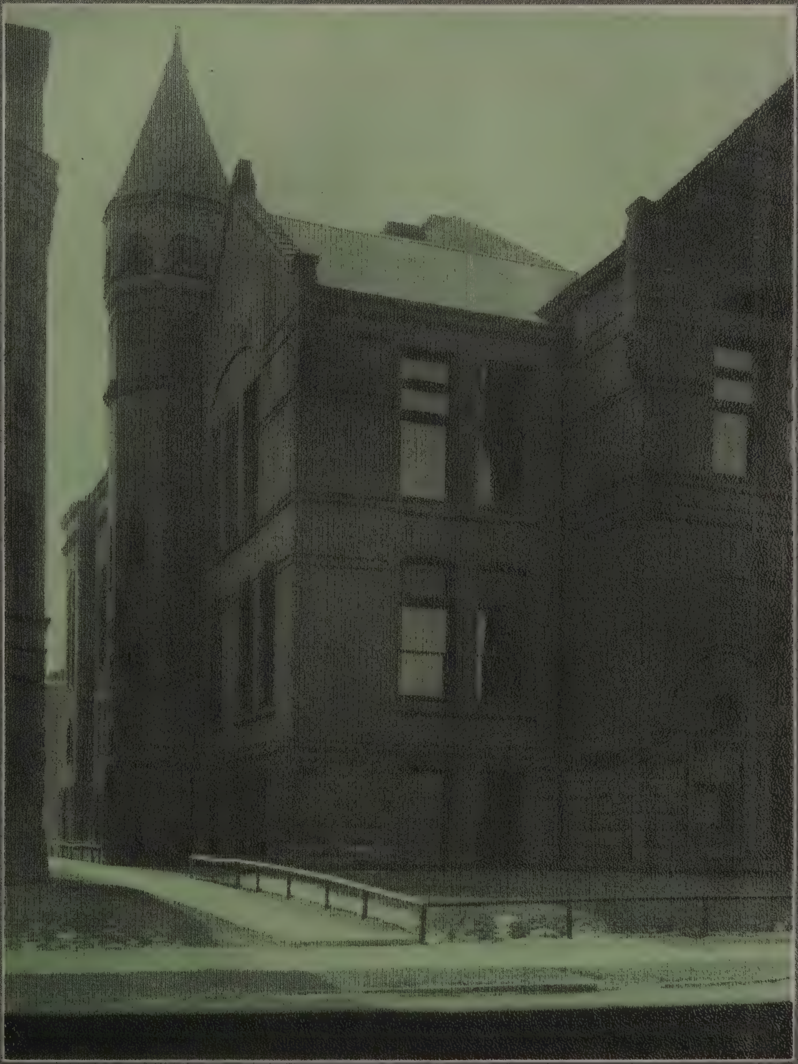
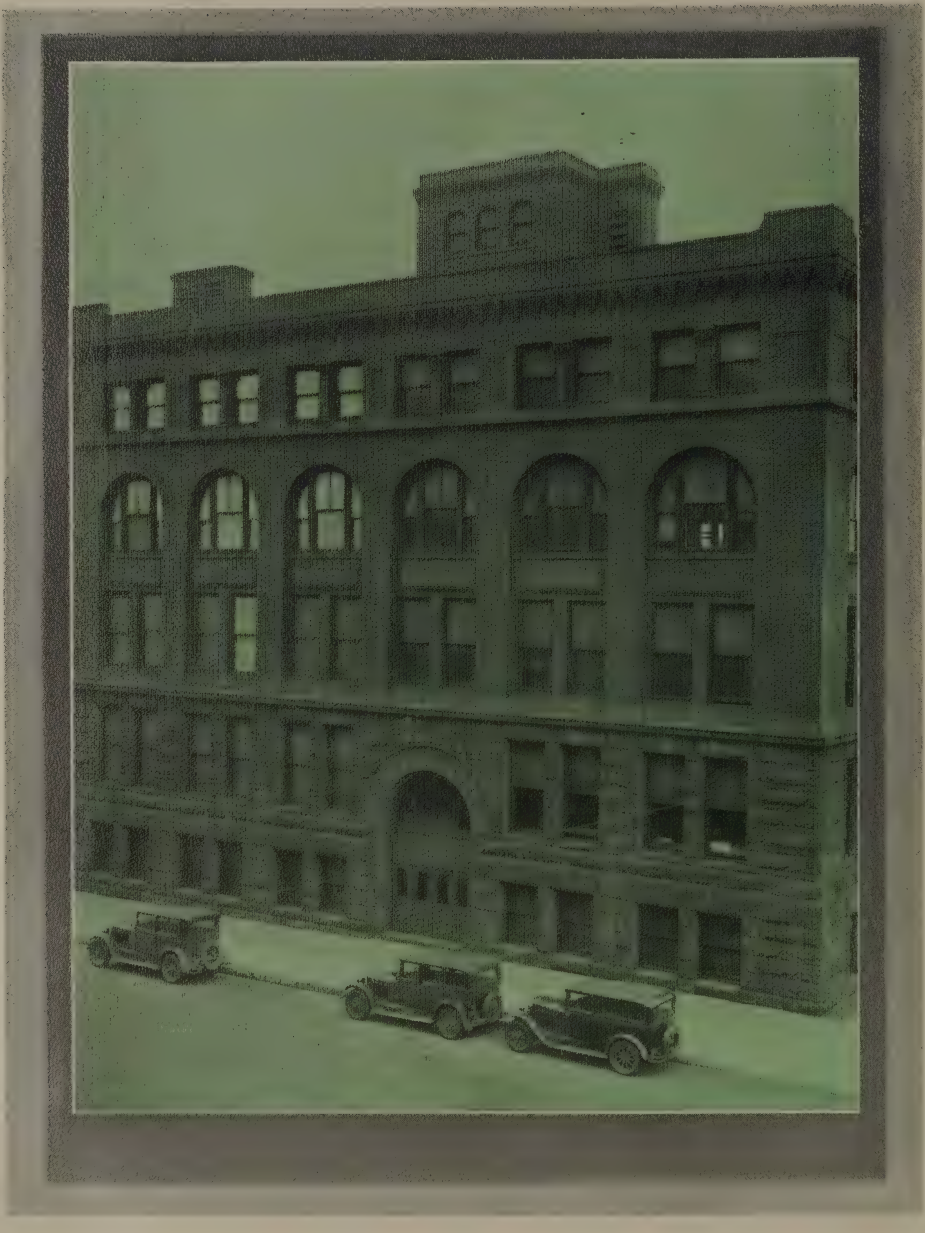
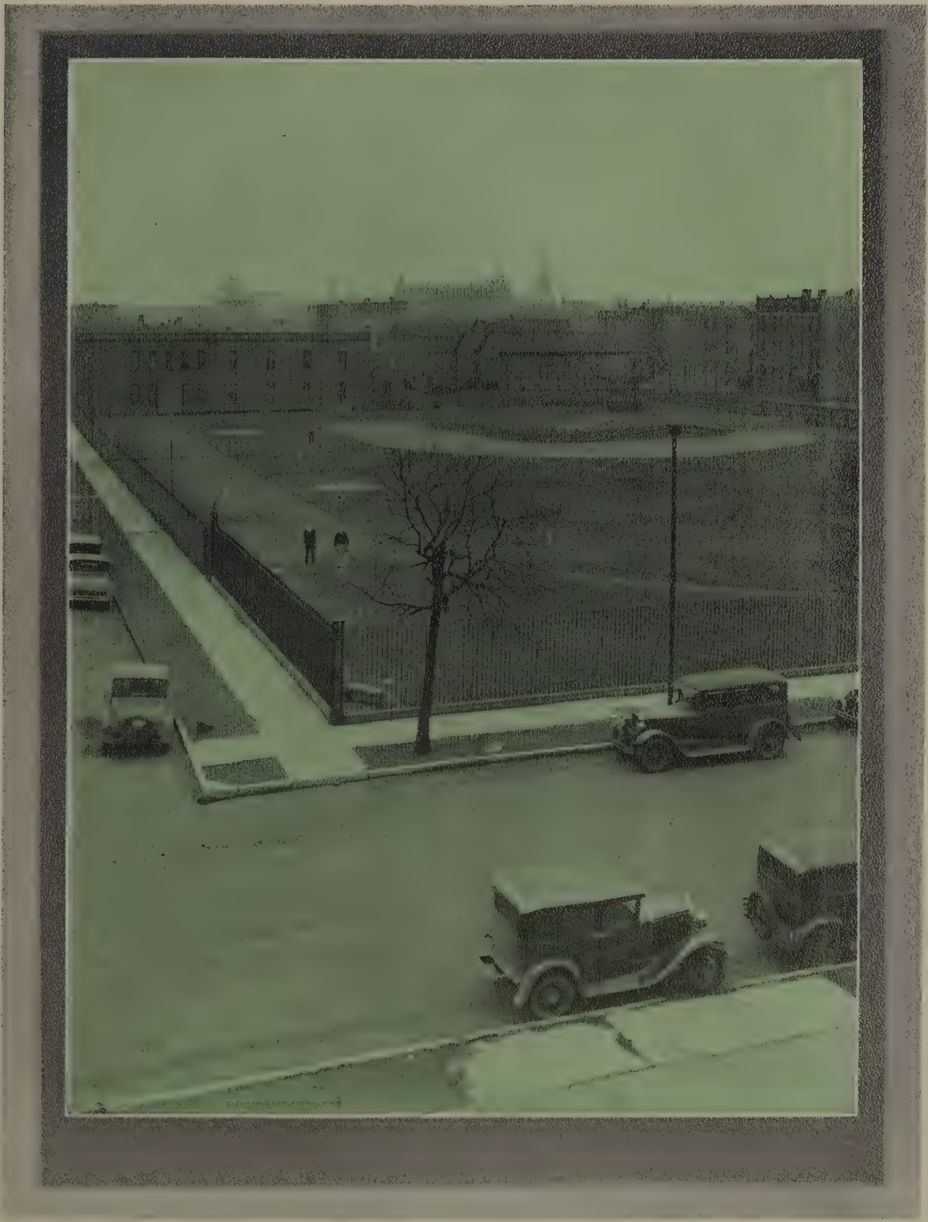
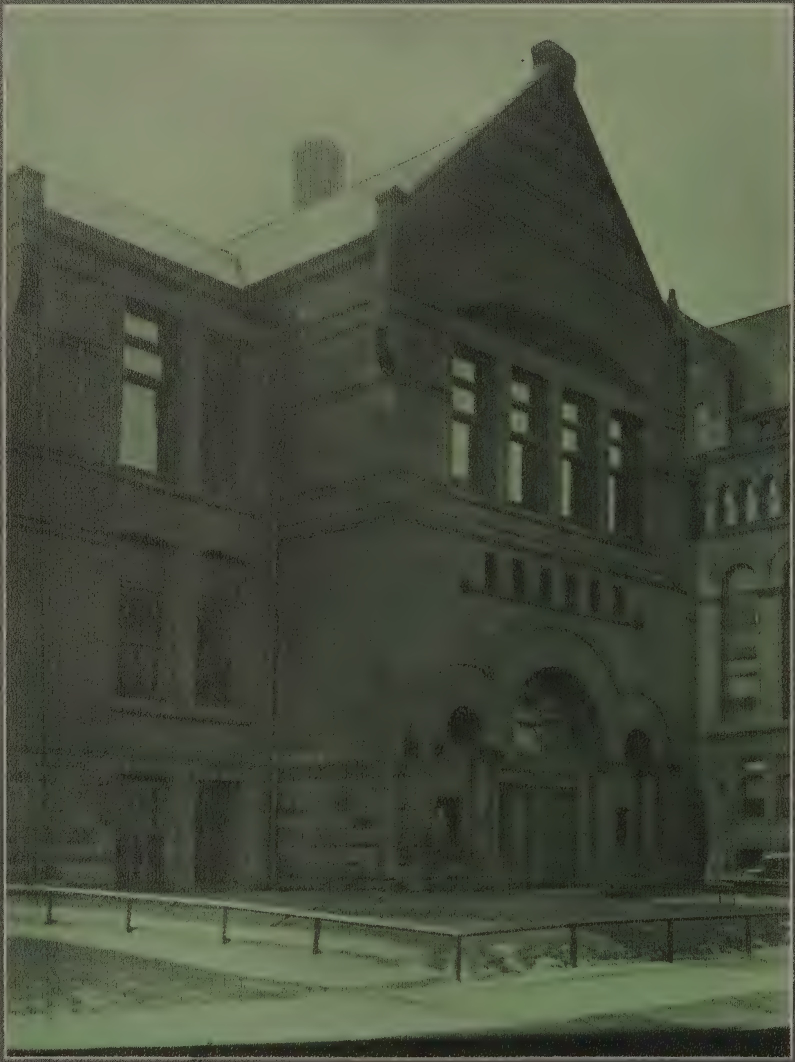
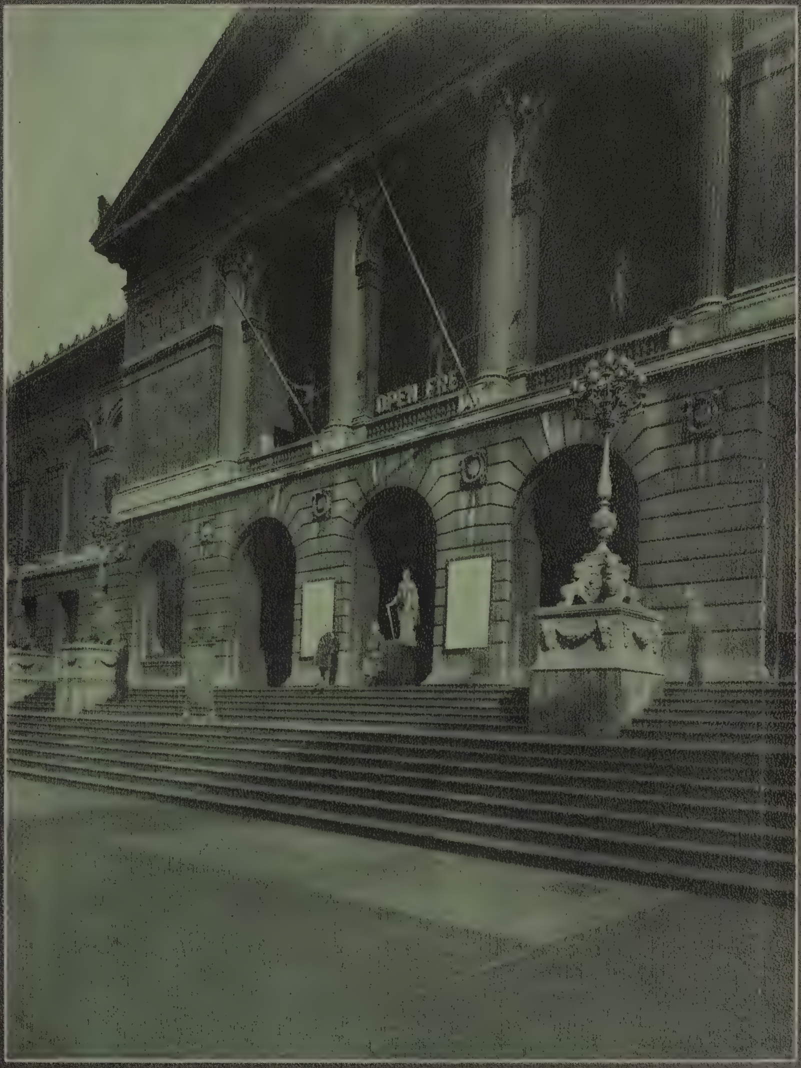




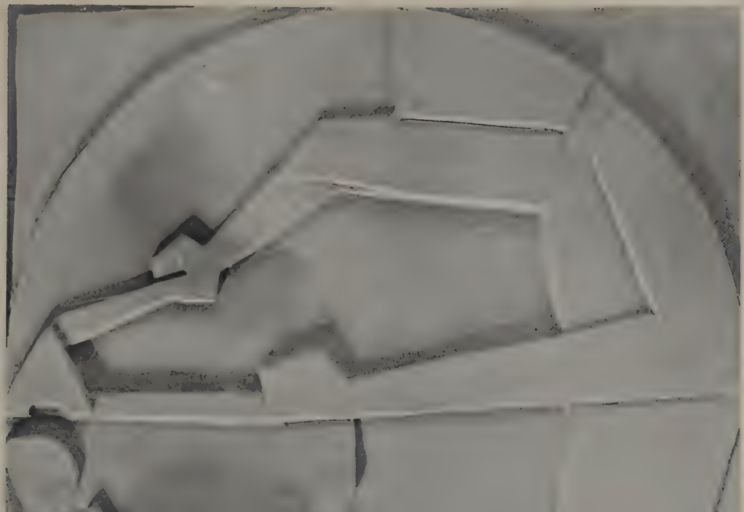







OPEN FRE

But chiefly, the mould of a man's fortune is in his own hands


ATION

FACULTY ADMINISTRATION

A MESSAGE FROM DOCTOR RAYMOND

"With announcement in February last of the new development plan, Armour Institute of Technology embraced a philosophy of usefulness which cannot but guide the Institute to a promising and splendid future. In its reception, and in the early phases of its operation, the plan gives guaranty of its ultimate success. Its greatest achievement, however, will not lie in the material support or position of prestige which Armour will gain from it, but rather in the number of men, of this and succeeding generations whom it will help to a more mature understanding and use of their abilities."

HOWARD M. RAYMOND.

John J. Mitchell, Philip D. Armour, Roy M. Henderson, Alfred S. Alschuler, Robert B. Harper
Samuel Insull, Lester Armour, Howard M. Raymond, Charles J. Faulkner, Jr., John J. Schommer

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Lester Armour
John J. Mitchell, Jr.

Perry Addleman
Secretary

John J. Schommer
Director of Publicity

THE DEVELOPMENT PLAN

Trustees have done much that this might be a great year for Armour Institute of Technology. They have forseen that engineering education cannot go far forward unless it will recognize new principles commensurate with modern developments in science and engineering. They have made exhaustive studies to define these principles, and to determine just how they may be applied to bring Armour Institute forward as a great leader in scientific and engineering education. Guided by their studies, they have evolved the Development Plan, which will make Armour a more useful servant of science and industry in the Middle West.

We, who are the students, are more than interested observers of the changes which the plan will bring to our school environment. We are vital participants in those changes. By giving as much of our energy and our intelligence to our work under its guidance as they have given of theirs to its preparation—thus can we make sure that the Development Plan will achieve all that the Trustees anticipate for the institution.

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Vice-President

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Charles Edward Paul
Joseph Bernard Finnegan
Earl Howell Reed, Jr.
Clyde Barnes Cooper
Melville Baker Wells
William Charles Krathwohl

George F. Gebhardt

DEPARTMENT OF MECHANICAL ENGINEERING

The Mechanical Engineering Department at Armour has always functioned since the date of its inception as an undergraduate school. The few applications for post-graduate work and specialized research have not been of sufficient moment to warrant the added expense. Barring a few minor changes the curriculum is substantially the same as that adopted 10 years ago, and how well it was planned is evidenced by the fact that today it meets in every respect the ideal course in mechanical engineering as formulated by the Wickenden Committee of the Society for the Promotion of Engineering Education. While research, pure or applied, has not been undertaken by the department as an organization, a vast amount of work of this nature has been carried on by the instructors in their individual capacity. In fact, many of the members of the faculty have achieved national fame through their contacts, in this connection, with industrial concerns. These contacts have not only reflected credit upon the individual and the Institute but have opened up positions for graduates which would otherwise have been unobtainable.

There has been no change in personnel during the past year and the department enters the new year with its faculty intact.

Barring replacements and a few instruments of precision no additions have been made to the equipment. Most of the apparatus is old and some of it is obsolete, but insofar as the teaching of fundamentals is concerned, it matters little how old the equipment is, provided the instructors are masters of their art and know how to impart knowledge to the students. It is the faculty and not the equipment which makes a school really great. The Mechanical Engineering Department has the faculty and Armour is a great school.

Not so many years from now, when the present depression and gloom have been forgotten, there will be founded in the City of Chicago, the greatest engineering school in the world, and the nucleus of that school will be the Armour Institute of Technology, and its outstanding department, the Department of Mechanical Engineering. Meanwhile let us put our shoulders to the wheel and keep the old cart moving until we catch up with that limousine de-luxe which is waiting for us just over the hill.

DEPARTMENT OF ELECTRICAL ENGINEERING

Ernest H. Freeman

During the past year, the electrical department inaugurated a comprehensive rehabilitation program. This program has been partially completed and includes the more efficient use of available space, the painting and decorating of all laboratories, lecture rooms and offices, the installation of modern lighting the repair of motors, generators, meters and auxiliary equipment.

The motor-generator set, received from the General Electric Company, for the study of wave form, has been completely installed with switching and control equipment so that variable single or three phase wave-forms may be studied.

A systematic method of detailed supervision of all equipment and meters has been adopted. Daily records of all damaged equipment are maintained so that responsibility may be established and the apparatus may be repaired and replaced in service with minimum delay.

The electrical department office, formerly in the same room as the advanced electrical measurement laboratory, was moved to another room, increasing the space available for the junior laboratory. This provided space for the permanent connection of many pieces of standard equipment involving complicated circuits so that the student may devote more time to the major problems of the experiment and less time in making complicated connections. It also provided required space for the development of experiments in electronics, necessitated by the modern developments in this field.

The plan of arranging the program so that the laboratories may be used in the morning as well as in the afternoon has proven very satisfactory and has reduced the conflict in regard to the use of meters and equipment to a minimum.

Display cases have been arranged in which interesting electrical equipment and instruments which are seldom used and others representing various stages of development of the art, are displayed.

The increase in confidence in the equipment, the pleasure in working under the improved conditions, have resulted in a general improvement in morale and a decided increase in the efficiency of the students and the department as a whole.

Melville B. Wells

DEPARTMENT OF CIVIL ENGINEERING

Both the faculty and the students of the Civil Engineering Department realize now, more fully than at first, the great loss that they sustained in the death last year of Doctor Alfred E. Phillips, for many years the head of the department. However, those upon whom the responsibility for the guidance and development of this branch of our school now rests have had the advantage of long association with him, know his plans and his ideals, and they are following these as closely as possible.

No changes have been made in the subjects taught or in the time given to them. Changes have been made in the faculty, however, and in the assignment of subjects. The transfer of Professor H. T. Heald to the Dean's Office has reduced his teaching time so that he now has but one class in Strength of Materials each semester. Two new instructors have been engaged.

Assistant Professor Harold A. Vagtborg is teaching Highway, Water Supply, and Sanitary Engineering, also Contracts in Engineering. Professor Vagtborg is a graduate of the University of Illinois. He is now a member of the firm of Allen and Vagtborg, Municipal Engineers. The good work that he is doing as a teacher is appreciated by everyone in the department.

The Structural work for the students in Architecture, that has been done by the Civil Engineering faculty, is now in the hands of one instructor who gives all of his time to it. Assistant Professor Sholto M. Spears is doing this work very satisfactorily. His problem is to find a way to adjust the requirements of Structural Design to the specal methods used by the Architects in most of their other studies, and he is meeting with success in the solution. Professor Spears has been engaged in structural work since his graduation in Civil Engineering at the University of Kentucky in 1922.

There has been no change in the subjects of the courses offered in the Aeronautical Option of the Civil Engineering Department, but the content of the courses is being changed each year to keep up with the rapid advances in the science of Aeronautics that results from the research and study that is going on.

Each member of the faculty recognizes the fact that similar, though less rapid changes are going on in the other branches of engineering included in the curriculum. Each man is endeavoring to have some part in these changes and to improve his work both in the material taught and in the method of teaching.

DEPARTMENT OF CHEMICAL ENGINEERING

The Department of Chemical Engineering commenced to plan better methods of instruction and better facilities for instruction in the spring of 1931. These plans included the attendance of three of our teachers of chemical engineering at the summer school for chemical engineering given jointly by the Society for the Promotion of Engineering Education and the American Institute of Chemical Engineers at the University of Michigan.

Professors Schommer and Bentley and Mr. Martin attended the entire three weeks of the conference, while Professor McCormack attended only the last two days of the conference. During this time various questions concerned with the training of chemical engineers and the preparation for future employment were discussed. Representatives from sixty colleges and universities were present.

Some topic connected with chemical engineering instruction was presented each day by a teacher presumably best qualified to present this particular topic. The paper was then discussed by those in attendance. This procedure led to an exchange of ideas impossible to secure in any other way and, undoubtedly, will mean much in the unification and advancement of chemical engineering education.

Harry McCormack

Several of the laboratories devoted to chemistry and chemical engineering were remodeled during the summer and early fall. The laboratories receiving particular attention were those devoted to electrochemistry, physical chemistry and chemical engineering unit processes.

A considerable addition to the floor space available in laboratories was provided, enabling such expansion to be made as would take care of our needs for the next few years. The changes possible in the chemical engineering unit process laboratory were particularly desirable, as the equipment used in these courses was crowded in so closely that space was not available for satisfactory operation of the equipment by the students. This handicap has now been overcome and we believe that our laboratory facilities to date are as satisfactory for these courses as any which may be found.

Accompanying the remodeling of the laboratories was the revision of the laboratory instruction given to the junior and senior students in chemical engineering, this revision taking account of the increased facilities for accomplishing the work and of recent developments in engineering theory and practice.

Joseph B. Finnegan

DEPARTMENT OF FIRE PROTECTION ENGINEERING

During the present school year the work of the department has proceeded satisfactorily, with no radical changes in curriculum and methods, but with the progressive changes in details of course content that are desirable to keep abreast of developments in the field. For several years increasing attention has been given to fire hazards and fire protection in buildings in course of construction; to the grave problems involved in the widespread use of pyroxylin lacquers applied by spraying processes; to the hazards of nitrocellulose films used in x-ray and portrait photography; to the use of new and hazardous anestetics in hospitals; to the fire protection of hangars and other properties at air ports; to the many new designs of equipment for automatic sprinkler installations, particularly of heat-sensitive devices and of dry-pipe valve accelerating devices; and of valves for high-pressure standpipe systems. In the discussion of insurance, time has been given to a consideration of recent changes of practice in the use of "reporting forms"; to the marked increase in the activity of inland marine insurance departments in writing policies providing broad coverage; and to the assumption of liability for damage due to inherent explosion hazard and to smudge in dwellings, the latter two coverages being now more important than formerly on account of the considerable use of oil and of gas for domestic heating.

Students in fire protection engineering are registered in many courses given by other departments at the Institute, in some cases for fundamental humanistic, scientific, or engineering subjects, in others for instruction specially organized for fire protection engineers. In all cases this department has had most satisfactory cooperation.

The professional laboratory work of the department continues to be carried on at the well-equipped plant of Underwriters' Laboratories, the testing station of the National Board of Fire Underwriters. During the past year the hydraulic equipment at the Laboratories has had important additions. An Allis-Chalmers centrifugal pump, with a rated capacity of 1000 gallons per minute at 500 pounds pressure, is driven by a direct-connected 2300-volt alternating-current motor rated at 600 horse-power, with variable speed controller. The discharge line is provided with a 3-inch and an 8-inch Venturi meter with a direct-reading manometer. A Republis flow-meter with direct-reading dial has been installed to measure flows in pipes of various sizes from 2½ to 8 inches.

DEPARTMENT OF ARCHITECTURE

Before reviewing the events which have taken place in the Architectural Department during the year 1931-32, it might be well to point out the unique situation of the department in relation to the Chicago Art Institute. Controlled by Armour Institute, where the architectural students receive their scientific and cultural training, the Architectural Department occupies the rambling upper spaces of the Art Institute building and it turns, therefore, to the two institutions for help.

In addition to the current exhibitions of the Art Institute, the department has held its own exhibitions of special interest. Among those held this year were the following: a large group of sketches and water color drawings executed by students and members of the faculty during the summer; the Rome Prize Competition drawings; some paintings by Albert H. Krehbiel; drawings by J. E. Peterson which were done during the summer session of the Fountainebleau school; Paris Prize Competition drawings; and the Traveling Exhibition of the Association of Collegiate Schools of Architecture.

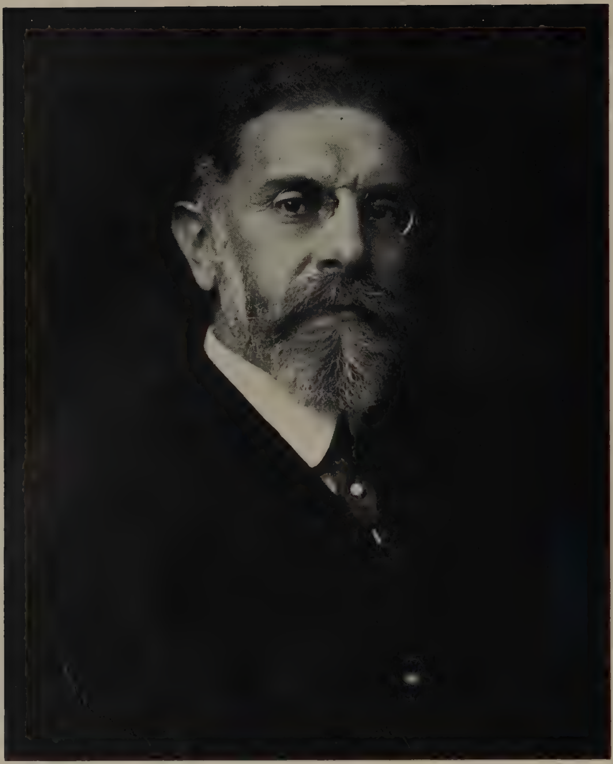
Mr. Ralph Hammet and Mr. J. E. Petersen are no longer members of the Architectural staff. Mr. Hammett is now at the University of Michigan and Mr. Petersen left Chicago for European travel. Mr. Roland Rathbun, who has come to the department from the University of Illinois, has taken over the class in Architectural History very successfully.

Earl H. Reed, Jr.

The Senior Architectural students have enjoyed several inspection trips this year.

Local judgments are held in the department for each problem in Design, for elementary problems as well as for the more advanced projets which are sent to the Beaux-Arts Institute of Design for judgment. A generous portion of First Mention and Medal awards have been received. It is the custom to invite outside architects for the local judgments and among those who have served as jurors are Messrs. Ralph Milman, Frank Hodgdon, Rudolph Nedved, George Nimmons, Ralph Faro, Hubert Burnham, L. M. Saint-Hubert, and Donald Nelson.

A number of visitors have contributed inspiring lectures and criticisms throughout the year. Mr. Victor Preotz gave a splendid illustrated lecture on Swedish Architecture; Mr. E. H. Bennett and Mr. R. E. Schmidt, architects, Mr. Sirko of the Northwestern Terra Cotta Company, Mr. M. H. Smith of the United States Gypsum Company, Mr. John Norton, artist, and Mr. E. Zettler of the Art Institute have all given talks on different subjects relative to the current problems in Architectural Design.



LOUIS CELESTIN MONIN

Professor Monin was born in St. Gall, Switzerland, November 9, 1857; on November 8, 1931, word was received that our revered friend and colleague of many years had passed away.

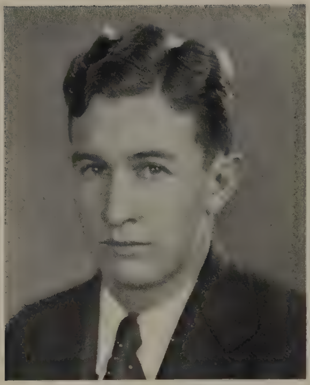
Professor Monin was of noble ancestry. Through his veins flowed the blood of the aristocracy of Europe. Never did there live a man who carried his inherited characteristics more nobly, nor who lived a more complete and useful life.

Thirty-four years of his life were spent in the institution he loved so well, and his affection was worked into and through the whole fabric of its varied interests. But it was with the students that he delighted to mingle, and everyone thought of him as a sincere and sympathetic friend. His arm was long, his sympathy unlimited, and his ways were helpful, tactful ways.

We mourn with profound grief, the irreparable loss of our former Dean and Professor, beloved, admired, revered, as teacher, scholar, friend.

"None knew him but to love him; none named him but to praise."

STUDENT ADMINISTRATION



Stanley M. Lind

THE ARMOUR TECH ATHLETIC ASSOCIATION

OFFICERS

Stanley M. Lind	President
Arthur W. Oberbeck	First Vice-President
Roy W. Carlstrom	Second Vice-President
Stanley M. Lillis	Secretary
George S. Allison	Treasurer
John J. Schommer	Director of Athletics
J. F. McNamara, M. D.	Medical Adviser
William C. Krafft	Instructor in Physical Training

Organized a decade ago, the Armour Tech Athletic Association has served since that time as the representative of the student body in school affairs. Every student is a member, and each class elects a representative. With the exception of the freshman delegate these students are also the officers of the Association, and together with the administrative officers of the Institute and three members of the faculty, constitute the Board of Athletic Control. As the Association is too large to participate directly in the management of athletics, the Board of Control manages the various activities in which the A. T. A. A. has an interest.

The purpose of the organization is to coordinate all athletic activities, develop and sustain an Armour spirit, and promote interclass relations. It directs the competitive sports, including basketball, track, baseball, boxing, swimming, tennis, golf, and rifle shooting. Coaches, directors, and medical expenses for these teams are maintained by it.

"A's" are awarded by the officers of the association upon the recommendations of the coaches. These are given for proficiency in the sport, serious effort, and adherence to training rules. The A. T. A. A. awards "A" blankets to graduating men who have won major "A's". These are football blankets with a large "A" attached. The association promotes interfraternity and interclass athletics, such as baseball, basketball, track, and tennis. These contests promote the participation in sports of a large number of students and are a means of discovering material for varsity teams. To the same end, school tournaments are held in tennis, golf, and boxing.

Every student is urged by the authorities of the Institute to take part in some sport in which he has skill or interest. Coaches and members of the teams are willing to help in developing the form of any prospective member.

The school publications—the Cycle, the Armour Tech News, and the Armour Engineer, are financed by the association.

A third branch of activities under its control consists of the musical organizations—glee club, orchestra, band, and Stresses and Strains (a dance orchestra playing popular music).

Each year the A. T. A. A. awards ten Honor Cycles on a basis of points earned by participation in athletics and various activities, scholarship, and personality.

Biegler, Carlson, Krafft, Lillis, Lind
Allison, Leigh, Heald, Schommer, Penn

BOARD OF ATHLETIC CONTROL

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William C. Krafft	Secretary
George S. Allison	Treasurer

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Howard Monroe Raymond
Henry T. Heald
John J. Schommer
John C. Penn
Charles W. Leigh

STUDENT REPRESENTATIVES

Stanley M. Lind	Senior
Arthur W. Oberbeck	Junior
Roy W. Carlstrom	Junior
Stanley M. Lillis	Sophomore
Louis Biegler	Freshman

MANAGERS

Maurice J. Erisman	Publicity Manager
Edwin H. Chun	Interfraternity Athletics
Roger F. Waindle	Interclass Athletics

FACULTY

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C.E. Armour Institute of Technology
Dean of Engineering, and Professor of Civil Engineering
Tau Beta Pi, Chi Epsilon, Theta Xi

Robert Vallette Perry B.S., M.E.
B.S. Armour Institute of Technology
M.E. Armour Institute of Technology
Dean of Evening Classes and Professor of Machine Design
Tau Beta Pi, Pi Tau Sigma, Theta XI

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A.B. Knox College
M.S. Knox College
M.E. Cornell University
Professor of Mechanical Engineering and Head of the Department
Tau Beta Pi, Pi Tau Sigma, Phi Delta Theta

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M.A. Cornell College
Ph.D. Cornell College
Professor of History and Political Science and Head of the Department
Phi Beta Gamma

Guy Maurice Wilcox A.B., M.A.
A.B. Carlton College
M.A. University of Wisconsin
Professor of Physics and Head of the Department

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B.S. Drake University
M.S. University of Illinois
Professor of Chemical Engineering and Head of the Department
Tau Beta Pi, Phi Lambda Upsilon, Phi Beta Kappa

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B.S. Armour Institute of Technology
E.E. Armour Institute of Technology
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Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi, Phi Pi Phi

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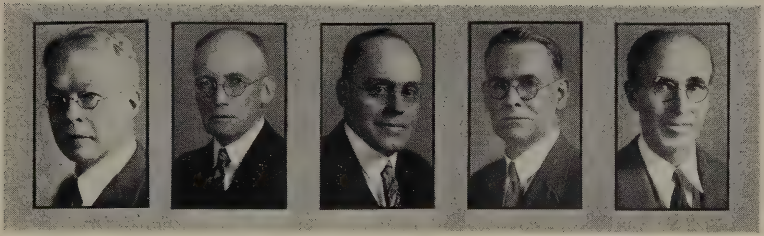
Professor of Mechanics and Head of the Department
Tau Beta Pi, Sphinx, Theta Xi

Joseph Bernard Finnegan S.B.
S.B. Massachusetts Institute of Technology
Professor of Fire Protection Engineering and Head of the Department
Tau Beta Pi, Salamander, Sphinx

Earl Howell Reed, Jr. S.B.
S.B. Massachusetts Institute of Technology
Professor of Architecture and Head of the Department
Delta Kappa Epsilon



Clyde Barnes Cooper **A.B., M.A., Ph.D.**
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M.A. University of Iowa
Ph. D. University of Chicago
Professor of English and Head of the Department

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C.E. Purdue University
Professor of Civil Engineering and Head of the Department
Tau Beta Pi, Honorary Member of Chi Epsilon, Phi Delta Theta

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M.A. Columbia University
Ph.D. University of Chicago
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M.A. Ohio University
M.S. Ohio University
E.E. Armour Institute of Technology
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Eta Kappa Nu

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Tau Beta Pi, Sigma Kappa Delta, Phi Gamma Delta

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E.E. Armour Institute of Technology
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Tau Beta Pi, Eta Kappa Nu, Sigma Kappa Delta

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Ph. D. University of Chicago
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Phi Beta Kappa, Sigma Xi

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M.A. University of Wisconsin
Ph.D. University of Wisconsin
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Phi Lambda Upsilon, Sigma Xi, Honorary Member of Triangle, Alpha Chi Sigma, Phi Gamma Delta

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M.E. Armour Institute of Technology
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Tau Beta Pi, Pi Tau Sigma, Phi Pi Phi

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E.E. Armour Institute of Technology
M.M.E. Cornell College
Professor of Experimental Engineering
Sigma Xi, Gamma Alpha, Tau Beta Pi, Pi Tau Sigma, Sphinx, Sigma Kappa Delta

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Sigma Xi, Phi Kappa Phi

Oliver Charles Clifford A.B., Ph.D.
A.B. Oberlin College
Ph.D. University of Chicago
Professor of Electrical Engineering
Sigma Xi

Henry Leopold Nachman B.S., M.E.
B.S. Armour Institute of Technology
M.E. Armour Institute of Technology
Professor of Thermodynamics
Tau Beta Pi, Rho Delta Rho

Edwin Stephen Libby B.S., M.E.
B.S. Armour Institute of Technology
M.E. Armour Institute of Technology
Professor of Refrigeration Engineering
Tau Beta Pi, Pi Tau Sigma, Sigma Kappa Delta

Albert H. Krehbiel
Professor of Freehand Drawing and Water Color

Wallace Bruce Amsbary
Professorial Lecturer in General Literature

Emil Robert Zettler
Consulting Professor of Architectural Sculpture

Philip Conrad Huntly B.C.E.
B.C.E. University of Arkansas
Associate Professor of Experimental Engineering
Tau Beta Pi, Pi Tau Sigma, Chi Epsilon, Sigma Chi, Triangle

Eugene Edward Gill
B.A., M.A., Ph.B., Ph.D.
B.A. Dickinson College
M.A. Dickinson College
Ph.B. Dickinson College
Ph.D. Johns Hopkins University
Associate Professor of General Chemistry
Phi Beta Kappa

John Frederic Mangold
B.S., B.E., C.E.
B.S. Cornell University
B.E. University of Iowa
C.E. University of Iowa
Associate Professor of Mechanics
Beta Psi

Charles Roscoe Swineford B.S., M.E.
B.S. University of Michigan
M.E. Armour Institute of Technology
Associate Professor of Machine Design

Otto Louis Robinson B.S.
B.S. Purdue University
Associate Professor of Fire Protection Engineering
Salamander, Acacia

Roe Loomis Stevens B.S.
B.S. Armour Institute of Technology
Associate Professor of Bridge and Structural Engineering
Honorary Member of Chi Epsilon

Walter Hendricks B.A., M.A.
B.A. Amherst College
M.A. University of Chicago
Associate Professor of English
Phi Beta Kappa, Sphinx, Phi Delta Theta

Stanton Edwin Winston
A.B., A.M., B.S., M.E.
Colorado School of Mines
A.B. University of Denver
A.M. University of Denver
B.S. Armour Institute of Technology
M.E. Armour Institute of Technology
Associate Professor of Kinematics

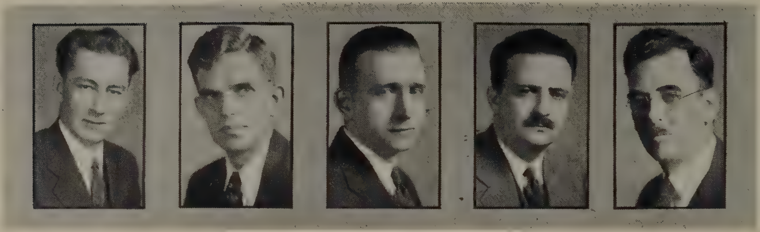
William White Colvert A.B., A.M.
A.B. Cumberland University
A.M. Cumberland University
Associate Professor of Physics
Sigma Xi

Charles Anson Nash B.S.
B.S. University of Illinois
Associate Professor of Electrical Engineering
Sigma Xi

Arthur Howe Carpenter A.M.
A.M. Ohio State University
Associate Professor of Metallurgy
Delta Tau Delta

Lynn Eugene Davies B.S., M.E.
B.S. Armour Institute of Technology
M.E. Armour Institute of Technology
Associate Professor of Experimental Engineering

William Frank McCaughey, Jr.
A.B., M.S.
A.B. Carnegie Institute of Technology
M.S. University of Illinois
B.A.I.D. Certificate
Associate Professor of Architectural Design
Honorary Member of Triangle, Delta Skull, Sigma Nu



Richard Joseph Foster B.S.
B.S. University of Nebraska
Associate Professor of Descriptive Geometry

Henry Townley Heald B.S., M.S.
B.S. Washington State College
M.S. University of Illinois
Associate Professor of Civil Engineering and Assistant to the Dean
Tau Beta Pi, Chi Epsilon, Sigma Tau, Phi Kappa Phi, Sigma Kappa Delta

Van Bauman Teach B.A., B.E.E., M.Sc.
B.A. Ohio State University
B.E.E. Ohio State University
M.Sc. Ohio State University
Associate Professor of Mathematics
Tau Beta Pi, Sigma Xi, Eta Kappa Nu, Pi Mu Epsilon, Phi Kappa Tau

James Stratton Thompson B.S., Ph.D.
B.S. University of Chicago
Ph.D. University of Chicago
Associate Professor of Physics
Sigma Xi, Sigma Alpha Epsilon

John Francis McNamara B.S., M.D.
B.S. Loyola University
M.D. Loyola University
Medical Adviser and Examining Physician
Kappa Psi

William Henry Lautz B.S.
B.S. Armour Institute of Technology
Assistant Professor of Architecture
Tau Beta Pi, Scarab, Sigma Kappa Delta

August Christian Wilmanns
Assistant Professor of Architectural Construction

John Joseph Schommer B.S., Ch.E.
B.S. University of Chicago
Ch.E. Armour Institute of Technology
Assistant Professor of Industrial Chemistry
Alpha Chi Sigma; Phi Kappa Sigma

Walter John Bentley B.S., Ch.E.
B.S. Armour Institute of Technology
Assistant Professor of Chemical Engineering
Ch.E. Armour Institute of Technology
Phi Lambda Upsilon, Beta Psi

Samuel Fletcher Bibb S.B., S.M.
S.B. University of Chicago
S.M. University of Chicago
Assistant Professor of Mathematics
Sigma Xi

Harry Howe Bentley S.B.
S.B. Massachusetts Institute of Technology
Assistant Professor of Architectural Design

Charles Page Holmes S.B.
S.B. Massachusetts Institute of Technology
Salamander, Alpha Chi Epsilon

Walter Henry Seegrist B.S., M.E.
B.S. Purdue University
M.E. Armour Institute of Technology
Assistant Professor of Machine Design
Phi Kappa Sigma

Arthur William Sear B.S., M.E.
B.S. University of Minnesota
M.E. Armour Institute of Technology
Assistant Professor of Elementary Machine Drawing
Pi Tau Sigma, Theta Xi

Herbert Enz B.S., C.E.
B.S. University of Colorado
C.E. University of Colorado
Assistant Professor of Civil Engineering
Chi Epsilon

Eldon Carlyle Grafton B.S., C.E.
B.S. Washington State College
C.E. Washington State College
Assistant Professor of Structural Engineering
Tau Beta Pi, Sigma Tau, Scabbard and Blade, Phi Kappa Phi, Chi Epsilon

Charles Gerhard Beersman
University of Pennsylvania
Assistant Professor of Architectural Design
Acacia

Theodorus Marinus Hofmeester, Jr.
Armour Institute of Technology
Assistant Professor of Architectural Modeling
Scarab

Harold Witter Haggard B.S.
B.S. Dennison College
Assistant Professor of Mathematics
Delta Phi

Walter Lindsay Suter B.S.
B.S. Armour Institute of Technology
Assistant Professor of Architectural Design
Scarab

Carl Hilding Johnson B.S.
B.S. Armour Institute of Technology
Assistant Professor of Fire Protection Engineering
Phi Pi Phi

Sholto Marion Spears B.S.
B.S. University of Kentucky
Assistant Professor of Civil Engineering
Tau Beta Pi

Harold Alfred Vagtborg B.S.
B.S. University of Illinois
Assistant Professor of Municipal and Sanitary Engineering

Ross Allan McReynolds A.B., A.M.
A.B. University of Missouri
A.M. University of Missouri
Assistant Professor of Economics
Phi Beta Kappa

Rowland Rathbun B.S., M.S.
B.S. University of Illinois
M.S. University of Illinois
Assistant Professor of Architectural History and Design
Phi Delta Theta, Scarab

Ellen Steele
Lake Forest College
Librarian

Nels Peter Peterson
Instructor in Wood Working

Charles Henry Fornhof
Instructor in Machine Tool Work

Charles Lewis Larsen
Instructor in Founding

William Carl Krafft A.B.
A.B. North Central College
Instructor in Physical Training

Walter Arthur Spencer B.Sc.
B.Sc. University of Nebraska
Instructor in Mathematics

Ferdinand Theodore Foerster
University of Illinois
Instructor in Forging

Joel Martin Jacobson B.S.
B.S. Armour Institute of Technology
Instructor in Civil Engineering
Kappa Delta Epsilon

Edward Roylance Gatley
Runcorn Institute of Technology, England
Instructor in Machine Tool Work

Watson M. Davis A.B., M.S.
A.B. Cornell College
M.S. University of Iowa
Instructor in Mathematics
Sigma Xi, Associate, Phi Tau Theta

Carlyle Peek B.S.
B.S. Armour Institute of Technology
Instructor in Elementary Machine Drawing

Homer Zettler Martin B.S.
B.S. Armour Institute of Technology
Instructor in Chemical Engineering

Ruth Lillian Verwey A.B.
A.B. Lawrence College
Assistant Librarian and Cataloger

Elizabeth O'Linn Smith
Assistant Librarian

Ernest E. Tupes A.B., B.S., LL.B.
A.B. University of Missouri
B.S. University of Missouri
LL.B. Chicago Kent College of Law
Lecturer in Business Law
Tau Beta Pi

Hans Tropsch Dr. Eng.
Lecturer in Physical Chemistry
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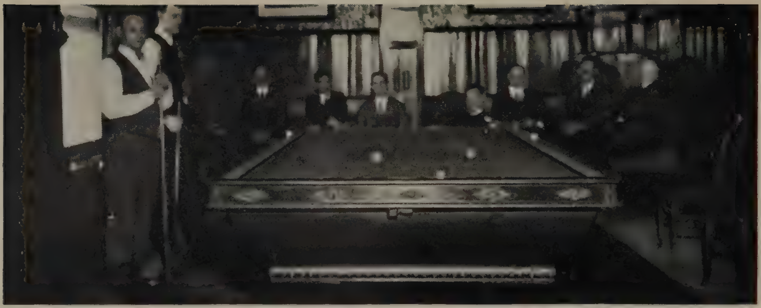

FACULTY CLUB

OFFICERS

F. U. Smith—*L. C. Monin	Honorary Presidents
S. E. Winston	President
H. T. Heald	First Vice-President
E. E. Gill	Second Vice-President
S. F. Bibb	Secretary
D. P. Moreton	Treasurer

Every Armour student knows where the Armour Faculty Club is situated in the Mission Building. It is from that innocent, unlettered doorway on Federal Street that those leaders of our scholastic activities, the faculty members, are seen emerging for their respective classes. It is into that mysterious depth that we see our classroom heads tread their weary way when a free hour is at hand, or when the lunch recess arrives.

The student, as a rule, would never presume to enter this private sanctuary, but when for one reason or another one of the undergraduates does gain entrance, he sees his supposedly hard-hearted masters in an entirely new light. In these comfortably furnished rooms, our faculty has a cheery place to relax, to read, to hold decidedly unweighty conversation, and horrors, to discuss the bad points of the students either as individuals or as a whole.

Professors, strange as it may seem, must have their full quota of recreation and sport. True, their mode of relaxation may involve grave discussions of the ionic structure of substances, or the ultimate stresses in steels, but in such directions lie their interests, and their pleasure.

This year's officers are serving faithfully, and especially is this true in the case of Prof. Perry, the chairman of the "smokes" committee. He is the only pedagogue whose presence is dreaded within these portals.

COMMITTEES

House Committee

C. R. Swineford, Chairman
N. P. Peterson
D. P. Moreton
W. E. Kelly
A. W. Sear
W. J. Bentley

Cigar Committee

R. V. Perry, Chairman
C. L. Larsen
D. Roesch
W. C. Krathwohl

Membership Committee

J. E. Snow, Chairman
J. F. Mangold
L. E. Davies
H. Ensz
W. A. Spencer

Loan Committee

*C. I. Palmer, Chairman
J. B. Finnegan,
Acting Chairman
W. W. Colvert
C. A. Tibbals
M. B. Wells

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*Deceased.

ALUMNI

John J. Schommer

ARMOUR ALUMNI ASSOCIATION

OFFICERS

John J. Schommer	President
Henry W. Clausen	Vice-President
Louis Hirsch	Secretary-Treasurer

TRUSTEES

Roy M. Henderson '02	Robert B. Harper '05
Alfred S. Alschuler '99	John J. Schommer '12

As stated in its Constitution, the Armour Institute Alumni Association was organized in 1897 for the purpose of "the promotion of fellowship and good will among its members; the continuation of the ties formed by them while students; and to keep alive their interest in the affairs of the A. I. T." It has grown steadily in numbers and influence, and has been ever active, proving that its purpose has been attained.

Membership in the Association is divided into three classes, active members, or those who are graduates of the technical college; associate members, or those who have completed at least two years' work in the technical college; and honorary members, or those to whom the Association sees fit to extend such membership. The active membership numbers above 3000.

The work of the organization is carried on by the Executive Committee, the Trustees, the Advisory Council, and the Board of Managers.

On December 17, 1931, the annual banquet and meeting was held at the Morrison Hotel. The speakers' table was graced by the President of the Association, John J. Schommer, '12, the Secretary and Treasurer, Louis Hirsch, '14, and other dignitaries. Below them spread a jolly crowd of some sixty grads who had returned once again to cement old friendships, make new ones, and to renew their contact with the Institute. The business of the evening was executed as quickly as possible. Election of officers reseated the President for a third term of

The Annual Banquet Scene at the Hotel Morrison

ADVISORY COUNCIL

Alfred S. Alschuler '99	Walter Oberfelder '09
Herbert A. Durr '05	Morris W. Lee '99

Charles W. Hills, Jr. '11

BOARD OF MANAGERS

Ralph H. Rice '97	James A. Whittington '14
Henry L. Nachman '02	Clinton E. Stryker '17
Edward F. Pohlman '10	Henry W. Regensburger '25

Charles W. Burcky '27

Louis Hirsch

office, chose a new Vice-President, Henry W. Clausen, '04, and retained Louis Hirsch as Secretary and Treasurer. Changes in the Board of Managers resulted in the substitution of Clinton E. Stryker, '17, and Henry W. Regensburger, '25, for Sigmund D. Nothhelfer, '18, and Edward A. Goodnow, '22, and the addition of Charles W. Burcky, '27. Morris W. Lee, '99, and Charles W. Hills, Jr., '11, replaced Maxmilian Woldenberg, '06, and Franklin M. de Beers, '05, on the Advisory Council. Plans were laid for the coming Spring Banquet, which will be in charge of the class of '07, this being its twenty-fifth anniversary.

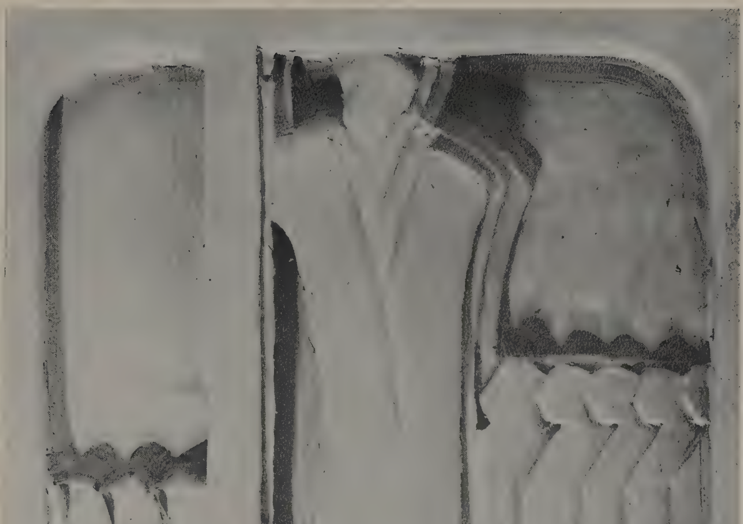
The meeting was followed by a brief burlesque account of the stock market by the prominent economist, Mr. Bert Byton.

An Alumni Association is of great value to an educational institution, as it is the most reliable and convenient channel of communication between the institution and the public from which it draws its support. But, on the other hand, the value of the Alumni Association to the graduate is even greater and should not be ignored by him.

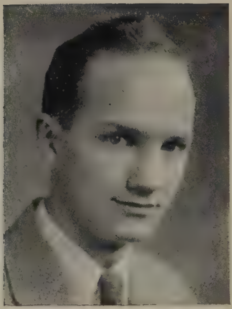
The Association extends a cordial greeting to its new members, and endeavors to give them an opportunity to continue their interest in their Alma Mater in a practical and substantial manner. It should be the purpose of every loyal man to ally himself actively with these interests and do his share in upholding and extending the usefulness and standards of the college which so long has been his home and pride.

Samuels Loses in a Dash for First

Only the refined and delicate pleasures that spring from research and education can build up barriers between different ranks.


CLASSES

SENIOR CLASS



Wilbur H. Rudolf

THE CLASS OF '32

OFFICERS

Wilbur H. Rudolf	President
Alton J. Jungels	Vice-President
John O. Cavanagh	Secretary
Alexander Bogot	Treasurer
James J. Casey	Social Chairman

After four years of preparation, the class of '32 is ready for *Commencement.* In looking backward over those years that have passed so swiftly, we can easily discern the great changes that have been wrought in our lives. Not only our educational background and our technical training, but our outlook on life and our attitude toward the world we live in have undergone an amazing transition. The fellowship that has developed among the members of the class through daily association and common interests is alone worth all the hardships and difficulties that have been encountered. Each of us feels that time and distance cannot erase friendships such as these.

As freshmen, we spent a large part of the year in orienting ourselves to college life, which was so different from anything we had previously experienced. The friendliness and the eagerness of the faculty to aid us brought forth a new response, and we assumed a feeling of responsibility with the absence of strict discipline. The success of our first social event, the Freshman Informal, did much to encourage those of us who still felt "green," and the occasion of the Class Rush, when we vanquished the heretofore envied sophomores, finally established our individuality and valor.

We were better prepared upon returning to school the following year. Previous warnings of the difficulty of the second year were more than amply justified, and yet with the familiarity with routine and the habits of study we had formed we were able to withstand the academic onslaught. Still, there were no audible regrets when the second year was finally left behind.

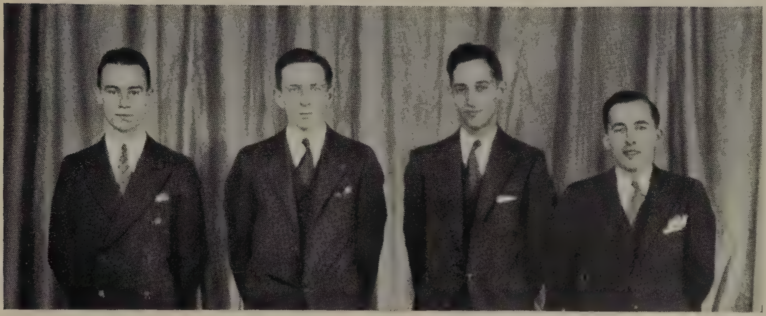
The third year brought with it an enjoyment and an appreciation of college life that we had not yet experienced. We studied the applications of the fundamental principles

Announcement Committee

John R. Jackson, Jr., *Chairman*
George L. Bonvallet
Jerome B. Dirkers
James S. McCall
Harvey C. Rossing

Jewelry Committee

Emmett A. Scanlan, Jr., *Chairman*
Edward W. Carlton
Walter H. Hornberger
William A. Holland
Glen W. Schodde



Cavanagh, Jungels, Bogot, Casey

we had learned in the previous two years, and so our school work was of greater interest. Of even greater importance was the increase in social functions, for as juniors we were the social elite of the school. These activities were fittingly climaxed with Junior Week and the Junior Prom.

As seniors, we delved for the first time into the economical aspects of engineering. Other subjects yet unencountered kept us busy, together with the laboratory work and the reports which had demanded so much of our time the year before. Individual members of the class distinguished themselves by executive leadership on the various school publications, the Armour Tech News, the Armour Engineer, and the Cycle. Others won laurels by membership in honorary fraternities. The Senior Informal and the Senior Banquet brought to an end the social affairs of the class. With so much to do, and so little time left, the year passed all too swiftly.

Finally, the class of '32 enjoyed the events which occur but once in our college careers. The Baccalaureate Sermon, delivered to the seniors assembled as a group for the last time before Commencement, was rich in advice and inspiration not found in text books. Later in the week came Commencement Day itself, and then the final departure from the scene of our transition from youths to men. A feeling of satisfaction quieted a tinge of regret felt by each of us.

And now, the goal we set out as freshmen to reach has been passed, and other goals stretch out before us. A foundation has been built upon which we base our hopes and ambitions for future success. Armour has pointed the way to a higher knowledge of men and things. Guided by this, we are confident and unafraid of what the future may bring.

Photography Committee

Oscar Eskonen, *Chairman*
Orville G. Linnell
Raymond A. Peterson
Max J. Schinke
John E. Walker

Senior Jacket Committee

Thomas A. McGill, *Chairman*
Russell E. Long
Joseph Palma, Jr.
Leo G. Wilke
Vernon R. Sandberg

Cap and Gown Committee

Edward J. Wiltrakis, *Chairman*
James E. Bryant
Stanley A. Carlson
Edward H. Chun
Harold R. Davis

Abendroth, Harold E. Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.
Eta Kappa Nu; A.I.E.E. 3, 4.

Anderson, Swen H. St. Louis, Mo.
B.S. in Fire Protection Engineering
Clayton High School, St. Louis, Mo.
F.P.E.S. 2, 3, 4; Interclass Baseball 1, 2; Armour Tech News 1, 2.

Arends, John J. Chicago, Ill.
B.S. in Fire Protection Engineering
St. Rita High School, Chicago, Ill.
F.P.E.S. 1, 2, 3, 4.

Beal, Marshall R. Aurora, Ill.
B.S. in Fire Protection Engineering
East High School, Aurora, Ill.
Delta Tau Delta, President; Sphinx; F.P.E.S. 2, 3, 4; Interclass Basketball 2, 3; Cycle Staff 2, 3; Fraternity Editor 3; Engineer Staff 3, 4; Editor-in-Chief 4; Social Committee 4.

Beale, Frederic S. Caldwell, Ida.
B.S. in Electrical Engineering
Caldwell High School, Caldwell, Idaho
University of Idaho 1; Phi Kappa Sigma; Beta Chi Alpha; A.I.E.E. 2, 3, 4; Cycle Assistant 4.

Beattie, Richard F. Chicago, Ill.
B.S. in Mechanical Engineering
Crane Technical High School, Chicago, Ill.
Pi Tau Sigma; A.S.M.E. 3, 4.

Bengston, William L. LaGrange, Ill.
B.S. in Mechanical Engineering
Lyons Township High School, LaGrange, Ill.
Triangle; A.S.M.E. 3, 4; A.T.R.C. 1, 2, 3; Armour Tech News 3, 4.

Berger, Max Chicago, Ill.
B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill.
Kappa Delta Epsilon; Campus Club 3; A.I.Ch.E. 2, 3, 4; Armour Engineer Staff 2, 3. 4.

Bigelow, Albert F., Jr. Lombard, Ill.
B.S. in Chemical Engineering
St. Mel High School, Chicago, Ill.
Alpha Chi Sigma; A.I.Ch.E. 2, 3, 4.

Blom, Russell H. Cleveland, O.
B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill.
Phi Lambda Upsilon, President; Alpha Chi Sigma; A.I.Ch.E., Treasurer 4; Campus Club 2, 3; Rifle Club 1; Interhonorary Council 4.

Bogot, Alexander Chicago, Ill.
B.S. in Mechanical Engineering
Crane Technical High School, Chicago, Ill.
Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4, Secretary 4; Honor Marshal 2, 3; Class Treasurer 4.

Bonvallet, George L. Chicago, Ill.
B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill.
Tau Beta Pi, Eta Kappa Nu, Pi Nu Epsilon; A.I.E.E. 3, 4, Treasurer 4; Radio Club 4; Campus Club 2, 3, 4; Press Club 3; Armour Tech News 2, 3, 4, Columnist 3, 4; Band 1, 2, 3, 4; Orchestra 1, 2, 3, 4; Stresses and Strains 1, 2; Announcement Committee 4.

Braun, Donald G. Chicago, Ill.
B.S. in Architecture
Hyde Park High School, Chicago, Ill.
Scarab, A.A.S. 1, 2, 3, 4.

Breh, Walter C. Chicago, Ill.
B.S. in Electrical Engineering
Harrison Technical High School, Chicago, Ill.
Beta Psi; Eta Kappa Nu; Pi Nu Epsilon; A.I.E.E. 3, 4; Radio Club 4; Glee Club 2, 3, 4.

Bryant, James E. Muskogee, Okla.
B.S. in Fire Protection Engineering
Central High School, Muskogee, Okla.
Phi Kappa Sigma; F.P.E.S. 2, 3, 4; Social Chairman 2; Social Committee 3; Cap and Gown Committee 4; Election Committee 3.

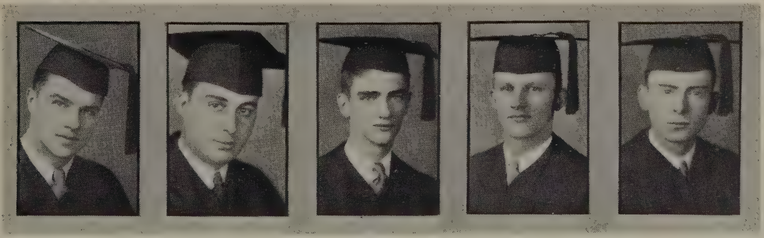
Byanskas, Edward L. Chicago, Ill.
B.S. in Civil Engineering
Lindblom High School, Chicago, Ill.
Kappa Sigma; W.S.E. 3, 4, Secretary 4; Swimming 2, 3.

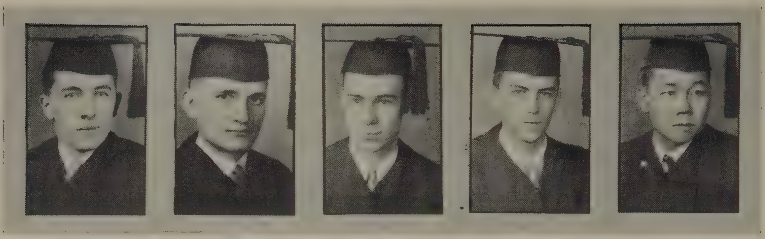
Cannell, Sidney D. Chicago, Ill.
B.S. in Mechanical Engineering
Marshall High School, Chicago, Ill.
Rho Delta Rho; A.S.M.E. 3, 4; Interclass Baseball 1, 2, 3; Interclass Basketball 2.

Cannon, C. Newton Chicago, Ill.
B.S. in Mechanical Engineering
Englewood High School, Chicago, Ill.
Tau Beta Pi, Pi Tau Sigma, Honor A Society; Campus Club 1, 2, 3, 4; A.S.M.E. 3, 4; Manager Boxing 3.

Carlson, Stanley A. Chicago, Ill.
B.S. in Civil Engineering
Nicholas Senn High School, Chicago, Ill.
Phi Pi Phi.

Carlton, Edward W. Chicago, Ill.
B.S. in Electrical Engineering
Nicholas Senn High School, Chicago, Ill.
Pi Nu Epsilon; Sphinx; A.I.E.E.; Armour Tech Musical Clubs; Glee Club, President; Campus Club; Radio Club; Press Club; A.T.M.C., Business Manager; Armour Tech News, News Editor and member of Managing Board; Jewelry Committee 4.





Casey, James J. Libertyville, Ill.
B.S. in Civil Engineering
Libertyville Township High School,
Libertyville, Ill.
Theta Xi; Sphinx; W.S.E. 3, 4; Press Club 3; Armour Tech News 1, 2, 3, 4, Advertising Manager 2, Business Manager 3, Managing Board 4; Cycle 3; Election Committee 2; Social Chairman 3, 4.

Casper, Joseph Export, Penn.
B.S. in Chemical Engineering
Franklin Township High School,
Murraysville, Penn.

Cavanagh, John O. Chicago, Ill.
B.S. in Chemical Engineering
Englewood High School, Chicago, Ill.
Tau Beta Pi, President; Phi Lambda Upsilon; Alpha Chi Sigma; Honor A Society; Campus Club 1, 2, 3, 4, President 3; A.I. Ch.E. 2, 3, 4; Swimming Team 1, 2, 3, 4; Class President 3, Class Secretary 4, Interhonorary Council 4, President 4; Honor Marshall 2, 3.

Christianson, Burnell A. Chicago, Ill.
B.S. in Civil Engineering
Carl Schurz High School, Chicago, Ill.
Crane Junior College, Chicago, Ill.
Phi Sigma Nu; W.S.E. 3, 4.

Chun, Edwin H. Honolulu, Hawaii
B.S. in Mechanical Engineering
St. Louis College, Honolulu, Hawaii
Tau Beta Pi; Pi Tau Sigma; Campus Club 1, 2, 3, 4; A.S.M.E. 3, 4; Manager Interfraternity Sports 4; Armour Tech News 2, 3, 4; Cap and Gown Committee 4.

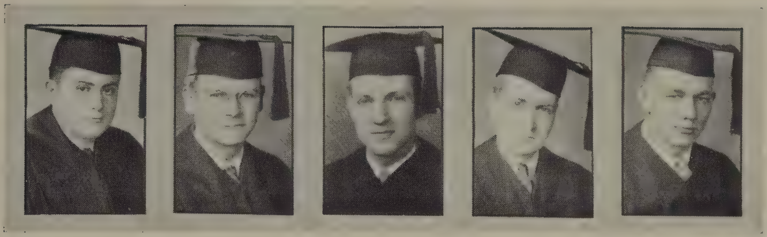
Clear, James A. Chicago, Ill.
B.S. in Mechanical Engineering
Lindblom Technical High School,
Chicago, Ill.
Pi Nu Epsilon; Campus Club 1, 2, 3, 4; A.S.M.E. 3, 4; Band 4; Stresses and Strains 2, 3, 4; Glee Club 2.

Clucas, James M. Wilmette, Ill.
B.S. in Mechanical Engineering
New Trier High School, Winnetka, Ill.
Pi Tau Sigma; A.S.M.E. 4.

Colcord, A. Edward Chicago, Ill.
B.S. in Mechanical Engineering
Englewood High School, Chicago, Ill.
Theta Xi; Radio Club 4; Glee Club 3; A.S.M.E. 3, 4; Track Manager 4.

Cornwell, David R. L. Oak Park, Ill.
B.S. in Mechanical Engineering
Oak Park High School, Oak Park, Ill.
Rifle Club 2, 3, 4; Band 1; Orchestra 2; Stresses and Strains 1, 2, 3, 4; A.S.M.E. 3, 4.

Davis, Harold R. Chicago, Ill.
B.S. in Mechanical Engineering
Hyde Park High School, Chicago, Ill.
Sigma Kappa Delta; Tau Beta Pi; Sphinx; Pi Tau Sigma; A.S.M.E. 3, 4, President 4; Press Club 3; Cycle 3, Organization Editor 3; Band 1, 2; Orchestra 2; Honor Marshal 1, 2, 3; Interhonorary Council 4.



De Orio, Joseph J. Chicago, Ill.
B.S. in Mechanical Engineering
Crane Technical High School, Chicago, Ill.
A.S.M.E. 3. 4; Baseball 2; Interclass Baseball 2, 3, 4; Interclass Basketball 2.

Dickey, William Niles Center, Ill.
B.S. in Electrical Engineering
Nicholas Senn High School, Chicago, Ill.
Rifle Club 1, 2, 3, 4; A.I.E.E. 2, 3, 4; Manager Rifle Team 3.

Dirkers, Jerome B. Aurora, Ill.
B.S. in Fire Protection Engineering
East High School, Aurora, Ill.
Beta Psi; F.P.E.S. 2, 3, 4; Secretary 4; Press Club 3; Interclass Baseball 2; Swimming Manager 4; Armour Tech News 2, 3, 4; Cycle 4; Class Secretary 2; Junior Prom Committee; Announcement Committee 4.

Erickson, Carl A. Chicago, Ill.
B.S. in Civil Engineering
Bowen High School, Chicago, Ill.
Chi Epsilon; W.S.E. 2, 3, 4; Armour Tech News 2; Orchestra 2.

Eskonen, Oscar Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill.
Chi Epsilon; W.S.E. 3, 4, Vice-President 4; Wrestling 4; Chairman Photograph Committee 4.

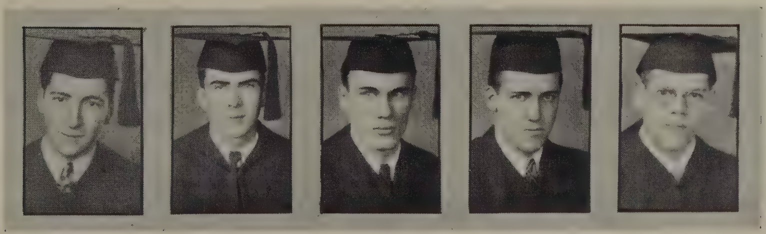
Fagen, Morton Chicago, Ill.
B.S. in Electrical Engineering
Crane Technical High School, Chicago, Ill.
Tau Beta Pi; Eta Kappa Nu, President; Sphinx; A.R.A. 2, 3, 4; President 4; A.I.E.E. 2, 3, 4; Armour Engineer 2, 3, 4, Associate Editor 4; Armour Tech News 3, 4; Reviews Editor 4; Interhonorary Council 4.

Field, Edmund Chicago, Ill.
B.S. in Chemical Engineering
Austin High School, Chicago, Ill.
Kappa Delta Epsilon; Phi Lamba Upsilon; Campus Club 2, 3,; A.I.E.E. 2, 3, 4; Interfraternity Council 4.

Finnegan, Joseph B., Jr. Chicago, Ill.
B.S. in Fire Protection Engineering
St. Ignatius High School, Chicago, Ill.
Phi Pi Phi; Glee Club 1, 2; F.P.E.S. 2, 3. 4. Treasurer 4; Interclass Baseball 4; Track 4.

Fox, Charles H. Chicago, Ill.
B.S. in Civil Engineering
Newcastle High School, Newcastle, Ind.
Sigma Kappa Delta, President; Chi Epsilon; W.S.E. 1, 2, 3, 4; Track 2, 4; Interclass Track 2, 3, 4; Armour Tech News 3, 4; Interfraternity Council 4; A.T.A.A. Nom. Com. 3

Freer, Donald E. Oak Park, Ill.
B.S. in Fire Protection Engineering
Oak Park High School, Oak Park, Ill.
F.P.E.S. 2, 3, 4; Glee Club 1, 2; Armour Engineer, Assistant 4; Cycle 4.



Frye, Raul H. Kansas City, Kans.
B.S. in Electrical Engineering
Wyandotte High School, Kansas City, Kans.
Delta Tau Delta; A.I.E.E. 2, 3, 4; A.R.A. 2, 3, 4.

Goldstein, Edwin Chicago, Ill.
B.S. in Civil Engineering
Lindblom High School, Chicago, Ill.
Rho Delta Rho; W.S.E. 3, 4; Glee Club 1, 2.

Graham, William M. Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill.

Gross, Joseph Wm. Chicago, Ill.
B.S. in Civil Engineering
Lindblom High School, Chicago, Ill.
W.S.E. 3, 4.

Grosser, Wallace A. River Forest, Ill.
B.S. in Electrical Engineering
Oak Park High School, Oak Park, Ill.
Glee Club 1, 2; A.I.E.E. 3, 4.

Guyot, William S. Waukegan, Ill.
B.S. in Chemical Engineering
Deerfield Shields High School,
Waukegan, Ill.

Hamlin, Harry H. Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.
A.I.E.E. 3, 4; Armour Tech News 2, 3; Orchestra 1, 2, 3.

Hawes, Charles C. Joliet, Ill.
B.S. in Mechanical Engineering
Joliet Township High School, Joliet, Ill.
Sigma Kappa Delta; Glee Club 2, 4; A.S.M.E. 3, 4.

Heckmiller, Ignatius A.
Arlington Heights, Ill.
B.S. in Civil Engineering
Arlington Heights Public High School,
Arlington Heights, Ill.
Honor A Society; W.S.E. 3, 4; Boxing 3, 4.

Hendricks, Howard S. Maywood, Ill.
B.S. in Fire Protection Engineering
Proviso Twp. High School, Maywood, Ill.
Phi Kappa Sigma, President; Honor A Society; F.P.E.S. 1, 2, 3, 4; Track 3, 4; Tennis 4; Tennis Champion 3; Glee Club 2; Social Committee 1, 2; Interfraternity Council 4; Cycle 2.

Hill, George J. Chicago, Ill.
B.S. in Fire Protection Engineering
De LaSalle Institute, Chicago, Ill.
Phi Pi Phi; F.P.E.S. 2, 3, 4.

Hirsch, Kenneth S. Chicago, Ill.
B.S. in Electrical Engineering
Englewood High School, Chicago, Ill.
A.I.E.E. 3, 4; Track 2, 3, 4; Interclass Track 2, 3, 4; Interclass Baseball 2, 3; Armour Tech News 2, 3.

Holland, William A. Chicago, Ill.
B.S. in Chemical Engineering
Lindblom High School, Chicago, Ill.
Kappa Delta Epsilon; Phi Lambda Upsilon; Armour Engineer 3, 4; Orchestra 1, 2, 3, 4.

Hornberger, Walter H. Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill.
Chi Epsilon; Pi Nu Epsilon; W.S.E. 3, 4; Orchestra 2, 3, 4; Band 1, 2, 4; Stresses and Strains 3; Director of Band 4; Jewelry Committee 4.

Hromada, Frank M. Chicago, Ill.
B.S. in Civil Engineering
Central Y.M.C.A. High School, Chicago, Ill.
W.S.E. 3, 4; Wrestling 4.

Jens, Charles J., Jr. Chicago, Ill.
B.S. in Fire Protection Engineering
Lane Technical High School, Chicago, Ill.
Sigma Kappa Delta; Sphinx; Honor A Society; F.P.E.S. 2, 3, 4; Press Club 3; Track 3, 4, Captain 4; Interclass Track 3, 4; Interclass Baseball 2, 3; Interclass Relay 3; Cycle 3; Social Editor 3; Armour Engineer 2, 3, Local Editor 3; Armour Tech News 2.

Jost, William L. Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.
Truss Club 3, 4; Glee Club 3, 4; A.I.E.E. 2, 3, 4, Chairman 4.

Jungles, Alton J. Aurora, Ill.
B.S. in Mechanical Engineering
West Aurora High School, Aurora, Ill.
Beta Psi; Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4; Armour Tech News 2; Class Vice-President 4; Interfraternity Council 4; Assistant Junior Marshal 3; Social Committee 2, 3.

Kantner, Leslie C., Jr. Maywood, Ill.
B.S. in Civil Engineering
Proviso Twp. High School, Maywood, Ill.
W.S.E. 3, 4.

Knox, Edwin H. Chicago, Ill.
B.S. in Fire Protection Engineering
Englewood High School, Chicago, Ill.
Phi Kappa Sigma; Honor A Society; F.P.E.S. 1, 2, 3, 4; Swimming Team 1, 2, 3, 4, Captain 4.

Knutson, Herman A. Chicago, Ill.
B.S. in Civil Engineering
Carl Schurz High School, Chicago, Ill.
W.S.E. 2, 3, 4.

Koch, Albert A. Chicago, Ill.
B.S. in Civil Engineering
Lane Technical High School, Chicago, Ill.
Chi Epsilon; W.S.E. 3, 4; Truss Club 3, 4; Campus Club 1; Glee Club 2, 3, 4.

Kolar, Thomas F. Oak Park, Ill.
B.S. in Civil Engineering
Harrison Tech High School, Chicago, Ill.
W.S.E. 2, 3.

Korrell, Philip H. Bellwood, Ill.
B.S. in Electrical Engineering
Proviso Twp. High School, Maywood, Ill.
Sigma Kappa Delta; Eta Kappa Nu; Pi Nu Epsilon, President; A.I.E.E. 3, 4; Radio Club 2, 3, 4; Orchestra 1, 2, 3, 4.

Krahl, Werner Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.
Eta Kappa Nu; A.I.E.E.

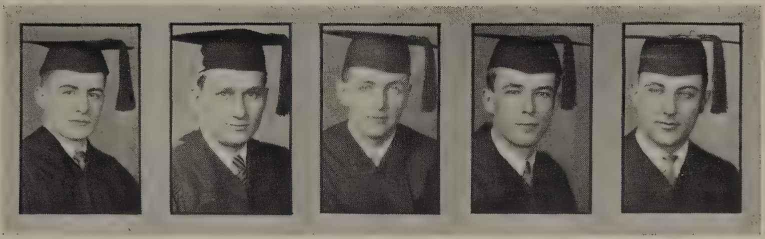
Ladzinski, Thaddeus P. Chicago, Ill.
B.S. in Civil Engineering
Carl Schurz High School, Chicago, Ill.
Glee Club 3, 4; Truss Club 3, 4; W.S.E. 3, 4.

Lane, Clifford F. Chicago, Ill.
B.S. in Electrical Engineering
Carl Schurz High School, Chicago, Ill.
Truss Club 3, 4; Radio Club 4; Dramatic Club 4; A.I.E.E. 3, 4; Glee Club 3, 4.

Leichtenberg, Henry F. Chicago, Ill.
B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill.
Phi Pi Phi; A.S.M.E. 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Baseball 1, 2, 3, 4; Interclass Track 4.

Lindblad, J. Raymond Joliet, Ill.
B.S. in Architecture
Joliet High School, Joliet, Ill.
A.A.S. 1, 2, 3, 4.

Lind, Stanley M. Downing, Wis.
B.S. in Chemical Engineering
Pillsbury Military Academy
Owatonna, Minn.
Triangle; Tau Beta Pi; Phi Lambda Upsilon; A.I.Ch.E. 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Baseball 4; Freshman Representative on the Athletic Board of Control; Secretary A.T.A.A. 2, First Vice-President 3, President 4; Interclass Relay 3; Interclass Track 4; Class Vice-President 2; Social Committee 2.



Linnell, Orville G. LaGrange, Ill.
B.S. in Chemical Engineering
Lyons Township High School, LaGrange, Ill.
Sigma Kappa Delta; Alpha Chi Sigma, President; Phi Lambda Upsilon; Rifle Club, Team 3, 4, Manager 3; A.I.Ch.E., Secretary 3; Campus Club 2, 3; Armour Tech News 2; Election Committee 3, 4, Chairman 3; Social Committee 3; Photography Committee 4.

Long, Russell E. Aurora, Ill.
B.S. in Chemical Engineering
East High School, Aurora, Ill.
Theta Xi; A.I.Ch.E. 2, 3, 4; Assistant Junior Marshal; Jacket Committee 4.

Longwell, Robert C. Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill.
A.S.M.E. 3, 4.

McCall, James S. Homewood, Ill.
B.S. in Mechanical Engineering
Thornton Twp. High School, Harvey, Ill.
Pi Tau Sigma; Pi Nu Epsilon; Sphinx; Glee Club 2, 3, 4; A.S.M.E. 3, 4, Treasurer 4; Press Club 3; Armour Tech News 2, 3, 4, Circulation Manager 4; Announcement Committee 4.

McGill, Thomas A. Chicago, Ill.
B.S. in Electrical Engineering
Austin High School, Chicago, Ill.
Tau Beta Pi; Eta Kappa Nu; Pi Nu Epsilon; A.I.E.E., Vice-Chairman 4; Class Treasurer 4; Secretary and Treasurer of Musical Clubs 4; Chairman Jacket Committee 4; Orchestra 1, 2, 3.

Magnuson, Edward G. Chicago, Ill.
B.S. in Fire Protection Engineering
Crane Technical High School, Chicago, Ill.
Campus Club 1, 2, 3, 4; Glee Club 2.

Matheson, Donald R.
Granum, Alberta, Canada
B.S. in Electrical Engineering
Provincial Institute, Calgary, Canada
Rifle Club 1, 2, 3; Team 2; Radio Club 4; A.I.E.E. 2, 3, 4.

Meagher, Richard E. Chicago, Ill.
B.S. in Civil Engineering
Englewood High School, Chicago, Ill.
Tau Beta Pi; Chi Epsilon; Honor A Society; W.S.E. 2, 3, 4; Manager Interfraternity Athletics 3; Golf Manager 3; Interhonorary Council 3.

Melcarek, Leonard V. Chicago, Ill.
B.S. in Chemical Engineering
Lindblom High School, Chicago, Ill.
Beta Psi; Alpha Chi Sigma; A.I.Ch.E.

Meuret, James A. Chicago, Ill.
B.S. in Electrical Engineering
Roosevelt High School, Chicago, Ill.
Eta Kappa Nu; A.I.E.E. 3, 4.

Miccucio, Michael J. Chicago, Ill.
B.S. in Electrical Engineering
Medill High School, Chicago, Ill.
Beta Psi; A.I.E.E.; Interclass Basketball 3, 4.

Minnick, Virgil J. Chicago, Ill.
B.S. in Electrical Engineering
Lindblom High School, Chicago, Ill.
Eta Kappa Nu; Campus Club 1, 2, 3, 4; A.I.E.E. 2, 3, 4; A.R.A. 4; Armour Engineer, Advertising Manager 4.

Mueller, Armin J. Evanston, Ill.
B.S. in Fire Protection Engineering
Nicholas Senn High School, Chicago, Ill.
Phi Pi Phi, President; F.P.E.S. 2, 3, 4; Interfraternity Council 4.

Mueller, Luther A. Chicago, Ill.
B.S. in Civil Engineering
Luther Institute, Chicago, Ill.
Chi Epsilon; Campus Club 1, 2; Rifle Club 1; Glee Club 1, 2, 3, 4; Interclass Baseball 1, 4; Interclass Basketball 4; W.S.E. 3, 4;

Navratil, John A. Berwyn, Ill.
B.S. in Architecture
J. Sterling Morton High School, Cicero, Ill.
A.A.S. 1, 2, 3, 4.

Nebel, Paul L. Chicago, Ill.
B.S. in Electrical Engineering
St. Ignatius High School, Chicago, Ill.
Truss Club 4; Radio Club 4; Dramatic Club 4; Glee Club 2, 3, 4; A.I.E.E. 2, 3, 4.

Nelson, Harold S. Chicago, Ill.
B.S. in Civil Engineering
University High School, Chicago, Ill.
W.S.E. 3, 4; Student Representative 4.

Nordell, Walter E. Minneapolis, Minn.
B.S. in Fire Protection Engineering
South High School, Minneapolis, Minn.
University of Minnesota, Minneapolis, Minn.

Otto, Samuel L. Oak Park, Ill.
B.S. in Mechanical Engineering
Oak Park and River Forest Township High School
Glee Club 1, 2, 3, 4; A.S.M.E. 3, 4.

Owen, John C. Chicago, Ill.
B.S. in Mechanical Engineering
Parker Senior High School, Chicago, Ill.
Phi Pi Phi; Basketball Manager 4; Interclass Baseball 1, 2, 3, 4; Stresses and Strains 3.

Palma, Joseph, Jr. Chicago, Ill.
B.S. in Architecture
Harrison Tech High School, Chicago, Ill.
Scarab; A.A.S. 1, 2, 3, 4.

Pearson, Harold A. Joliet, Ill.
B.S. in Electrical Engineering
Joliet Township High School, Joliet, Ill.
Delta Tau Delta; A.I.E.E. 2, 3, 4; Cycle 4.

Peterson, Raymond A. Chicago, Ill.
B.S. in Architecture
Lake View High School, Chicago, Ill.
Delta Tau Delta; Scarab; A.A.S. 1, 2, 3, 4; Photography Committee 4.

Poc, Morris Chicago, Ill.
B.S. in Architecture
Lewis Institute, Chicago, Ill.
A.A.S. 1, 2, 3, 4.

Poetzl, Ray W. Forest Park, Ill.
B.S. in Electrical Engineering
Oak Park High School, Oak Park, Ill.
Radio Club 3, 4; A.I.E.E. 3, 4; Dramatics Club 4.

Ratner, Melvin S. Chicago, Ill.
B.S. in Chemical Engineering
Hyde Park High School, Chicago, Ill.
Kappa Delta Epsilon.

Price, Minor C. Chicago, Ill.
B.S. in Architecture
Austin High School, Chicago, Ill.

Richter, Herbert Wm. DesPlaines, Ill.
B.S. in Electrical Engineering
Luther Institute, Chicago, Ill.
Eta Kappa Nu; Pi Nu Epsilon; A.I.E.E. 3, 4; A.R.A. 4; Rifle Club 1, 2; Glee Club 1, 2, 3, 4.

Richter, Harry P. Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill.
Sigma Kappa Delta; Sphinx; Pi Nu Epsilon; W.S.E. 3, 4; A.A.S. 1; Campus Club 1, 2, 3; Rifle Club 1, 2; Press Club 3; Track 1; Assistant Baseball Manager 3, Manager 4; Interclass Track 1, 4; Interclass Baseball 1; Armour Tech News 1, 2, 3, 4; Architectural Editor 2; Sports Editor 3; Armour Engineer 2; Honor Marshal 2, 3; Band 1, 4; Orchestra 2, 3, 4.

Robin, Clarence J. Chicago, Ill.
B.S. in Civil Engineering
Lane Technical High School, Chicago, Ill.
Phi Pi Phi, President 4; Tau Beta Pi; Chi Epsilon; Honor "A", President 4; A.A.S. 1; W.S.E. 2, 3, 4; Baseball 1, 2, 3, 4, Captain 4; Basketball 2, 3, 4, Captain 4; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2; Interfraternity Council 3, 4, President 4; Social Committee 3; Freshman Representative A.T.A.A. 1, Secretary 2, First Vice-President 3, President 4.

Rossing, Harvey C. Chicago, Ill.
B.S. in Chemical Engineering
St. Ignatius High School, Chicago, Ill.
Triangle; Tau Beta Pi; Chi Epsilon, President; Honor A Society, President; W.S.E. 3, 4, President 4; A.T.A.A. 1, 2, 3; Nominating Committee; Interclass Relay 3; Basketball 1, 2, 3, 4, Captain 4; Interclass Basketball 1, Manager 2, 3, 4; Announcement Committee 4; Interhonorary Council 4.

Rudolf, Wilbur H. Oak Park, Ill.
B.S. in Civil Engineering
Austin High School, Chicago, Ill.
Tau Beta Pi; Chi Epsilon; Sphinx, President; W.S.E. 3, 4, Treasurer 4; Rifle Club 3; Press Club 3; Glee Club; Armour Tech News 1, 2, 3, 4, Assistant News Editor 2, News Editor 3, Editor-in-Chief 4; Class Vice-President 3; Class President 4; Interhonorary Council 4.

Sandberg, Vernon R. Chicago, Ill.
B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill.
Pi Tau Sigma; A.S.M.E. 3, 4; Assistant Junior Marshal 3; Jacket Committee 4.

Sandstrom, Warren L. Chicago, Ill.
B.S. in Electrical Engineering
Austin High School, Chicago, Ill.
Honor A Society; Glee Club 3, 4; Radio Club 4; Truss Club 3, 4; Boxing 1, 3, 4, Captain 4.

Scanlan, Emmett A., Jr.
Kansas City, Mo.
B.S. in Fire Protection Engineering
Rockhurst High School, Kansas City, Mo.
Theta Xi, President; Tau Beta Pi; Salamander; F.P.E.S. 1, 2, 3, 4, President 4; Press Club 3; Cycle 2, 3, Business Manager 3; Armour Tech News 1, 2, 3, Advertising Manager 3; Interfraternity Council 4; Election Committee 2, 3, 4; Chairman Jewelry Committee 4.

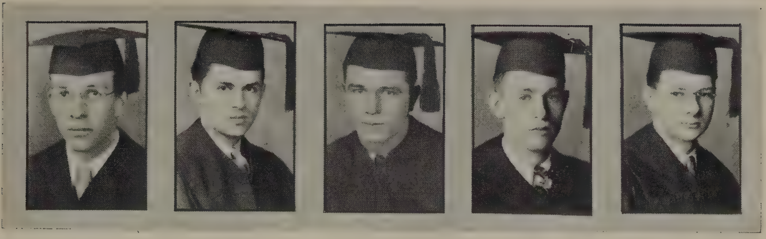
Schinke, Max J. Chicago, Ill.
B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill.
Tau Beta Pi: Eta Kappa Nu; Sphinx; A.I.E.E. 2, 3, 4; A.R.A. 1, 2, 3, 4; Press Club 3; Armour Tech News 1, 2, 3, 4, Make-up Editor 3, Managing Editor 4.

Schodde, Glen W. Cedar Rapids, Ia.
B.S. in Fire Protection Engineering
Washington High School, Cedar Rapids, Ia.
Delta Tau Delta; Tau Beta Pi; Sphinx; Salamander; F.P.E.S. 1, 2, 3, 4; Press Club 3; Rifle Club 4; Interclass Track 1; Tennis Manager 4; Cycle 2, 3, 4, Assistant Editor 2, Associate Editor 3, Editor-in-Chief 4; Armour Tech News 1; Armour Engineer 3, 4, Articles Editor 4, Managing Board 4; Social Committee 2, 3; Jewelry Committee 4; Election Committee 3; Honor A Society.

Schramm, Milton E. Chicago, Ill.
B.S. in Mechanical Engineering
Lake View High School, Chicago, Ill.
Glee Club 2, 3, Business Manager 3; A.S.M.E. 3, 4.

Schultz, William G. Chicago, Ill.
B.S. in Fire Protection Engineering
Calumet High School, Chicago, Ill.
Triangle; F.P.E.S. 2, 3, 4; Interclass Baseball 1.

Seiferth, George R. Chicago, Ill.
B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill.
Phi Pi Phi; A.S.M.E. 1, 2, 3, 4.



Setterberg, Harry C. Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill.
Beta Psi; Honor A Society; W.S.E. 1, 2, 3, 4; Track 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Track 1, 2, 3, 4; Interclass Baseball 1, 4.

Skoularinas, Nicholas G. Chicago, Ill.
B.S. in Civil Engineering
Eighth Gymnasium, Athens, Greece
Glee Club 2, 3, 4; W.S.E. 3, 4.

Stalzer, George B. Chicago, Ill.
B.S. in Fire Protection Engineering
St. Rita High School, Chicago, Ill.
F.P.E.S. 1, 2, 3, 4; Interclass basketball 1, 2, 3, 4; Interclass Baseball 4.

Stocklin, William A. Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.
Truss Club 3, 4; A. I. E. E. 3, 4; Radio Club 4.

Stockmann, Gervase J. Chicago, Ill.
B.S. in Chemical Engineering
Lindblom High School, Chicago. Ill.
Sigma Kappa Delta; Alpha Chi Sigma; Phi Lambda Upsilon; Campus Club; A.I.Ch.E. 4; Rifle Club 4; Interclass Track 3.

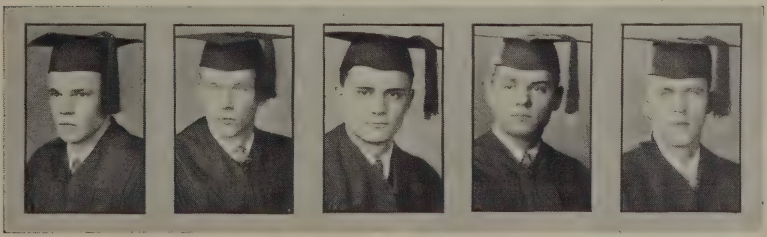
Tilt, John F. Chicago, Ill.
B.S. in Fire Protection Engineering
Austin High School, Chicago, Ill.
F.P.E.S. 1, 2, 3, 4.

Tonsager, Howard A. Chicago, Ill.
B.S. in Architecture
Lane Technical High School, Chicago, Ill.
A.A.S. 1, 2, 3, 4.

Trauten, Walter M., Jr. Aurora, Ill.
B.S. in Fire Protection Engineering
East High School, Aurora, Ill.
Beta Psi; Tau Beta Pi; Salamander, President 4; F.P.E.S. 1, 2, 3, 4, Vice-President 4; Cycle, Advertising Manager 3; Social Committee 4; Interhonorary Council 4.

Utrask, Frank A. Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill.
Honor A Society; A.S.M.E. 3, 4; Campus Club 2, 3, 4; Boxing Team 2, 3, 4, Captain 3, Manager 4; Armour Tech News 3; Class Secretary 3.

Venema, Maynard P. Maywood, Ill.
B.S. in Chemical Engineering
Proviso Twp. High School, Maywood, Ill.
Triangle, President; A.I.Ch.E. 2, 3. Interclass Track 3, 4; Interclass Baseball 4; Interclass Relay 3, 4; Feature Editor Cycle 3; Interfraternity Council 3, 4; Rush Leader 1.



Viel, Arthur R. Chicago, Ill.
B.S. in Chemical Engineering
Delphos High School, Delphos, Ohio
Campus Club 2, 3, 4; A.I.Ch.E. 2, 3, 4; Press Club 3; Armour Engineer 2, 3, 4, Business Manager 4.

Waindle, Roger F. Oak Park, Ill.
B.S. in Mechanical Engineering
St. Mel High School, Chicago, Ill.
Triangle; Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4; Junior Marshal 3; Interclass Athletic Manager 4; Social Committee 3.

Walker, John E. Oak Park, Ill.
B.S. in Mechanical Engineering
Oak Park and River Forest Township High School, Oak Park, Ill.
Pi Nu Epsilon; Glee Club 1, 2, 3, 4, President 3; A.I.T. Musical Association, President 4; A.S.M.E. 1, 2, 3, 4; Photography Committee 4.

Wegner, Elmer A. Oak Park, Ill.
B.S. in Electrical Engineering
Oak Park High School, Oak Park, Ill.
Beta Psi; Radio Club 4; Glee Club 1, 2; A.I.E.E. 2, 3, 4; Interclass Baseball 3, 4.

Westerberg, Torgny J. Chicago, Ill.
B.S. in Civil Engineering
Austin High School, Chicago, Ill.
W.S.E. 2, 3, 4; Band 1; Orchestra 2, 3, 4.

Weston, Andy H. Chicago, Ill.
B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill.
Crane Junior College, Chicago, Ill.
Pi Nu Epsilon; Honor A Society; Campus Club 2, 3, 4; A.I.E.E. 2, 3, 4; Rifle Club 2; Radio Club 2, 3; Swimming Team 2, 3, 4, Captain 4; Armour Tech News 2, 3; Orchestra 2, 3, 4; Stresses and Strains 2, 3, 4.

Wichser, Alvin J., Jr. Chicago, Ill.
B.S. in Architecture
Lake View High School, Chicago, Ill.
Scarab; A.A.S. 1, 2, 3, 4.

Wieland, Gustave E. Chicago, Ill.
B.S. in Mechanical Engineering
Hibbard High School, Chicago, Ill.
A.S.M.E. 3 4; Glee Club 2, 3.

Wierzbowski, Anthony E. Chicago, Ill.
B.S. in Civil Engineering
DePaul Academy, Chicago, Ill.
Campus Club 1, 2; Rifle Club 1, 2; W.S.E. 3, 4; Glee Club 1, 2; Tennis 4; Armour Tech News 1.

Wilke, Leo G. Chicago, Ill.
B.S. in Civil Engineering
John Marshall High School, Chicago, Ill.

Willard, Andrew R. Wilmette, Ill.
B.S. in Mechanical Engineering
New Trier High School, Wilmette, Ill.
A.S.M.E. 3, 4.

Wiltrakis, Edward J. Chicago, Ill.
B.S. in Civil Engineering
St. Ignatius High School, Chicago, Ill.
Chi Epsilon; W.S.E. 3, 4, Corresponding Secretary 4; Glee Club 3, 4; Armour Tech News 1, 2, 4; Chairman Cap and Gown Committee 4.

Winbolt, Lew W. Wheaton, Ill.
B.S. in Mechanical Engineering
Wheaton Community High School, Wheaton, Ill.
Pi Tau Sigma; Campus Club 4; A.S.M.E. 3, 4.

Young, Roy F. Chicago, Ill.
B.S. in Fire Protection Engineering
Tilden Technical High School, Chicago, Ill.
Triangle; Honor A Society; F.P.E.S. 2, 3, 4; Baseball 3, 4; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1.

Yount, Howard W. Chicago, Ill.
B.S. in Fire Protection Engineering
Austin High School, Chicago, Ill.
F.P.E.S. 2, 3, 4; Interclass Baseball 1; Social Committee 4.

Zacher, Clarence H. Blue Island, Ill.
B.S. in Civil Engineering
Blue Island High School, Blue Island, Ill.

THIRTY-FIFTH ANNUAL COMMENCEMENT

ADVANCED DEGREES CONFERRED

For the Degree of Mechanical Engineer

Ray Frederick Grahn
Arthur William Sear
Walter Henry Seegrist
Charles Roscoe Swineford

For the Degree of Electrical Engineer

Claire Lehman Keene
Frank Michael Kratokvil
Frederic William Loeb
Richard Rose Ranson
Reginald George Schuler

For the Degree of Civil Engineer

John James Aeberly
William Johnston Dixon

For the Degree of Chemical Engineer

Mynhart Oswald Brueckner
William James Pollock
Hugh G. R. Quin
Alexander Harry Zimmerman

For the Degree of Fire Protection Engineer

Edward Benjamin Hatch
John Miller Smethells

AWARD OF HONORS

Honor Man of All Departments
Alvin Berthold Auerbach

Honor Man of the Department of Mechanical Engineering
Frank Frederick Strassenburg

Honor Man of the Department of Electrical Engineering
William Drigot

Honor Man of the Department of Civil Engineering
Alvin Berthold Auerbach

Honor Man of the Department of Chemical Engineering
Isaac Bruce Lehman

Honor Man of the Department of Fire Protection Engineering
Albert Frederic Wilde

Honor Man of the Department of Architecture
Nathan Robert Rosen

The Institute Marshals

CHARLES ANSON NASH, Marshal
WILLIAM WHITE COLVERT, Assistant Marshal
ARTHUR WILLIAM SEAR, Assistant Marshal

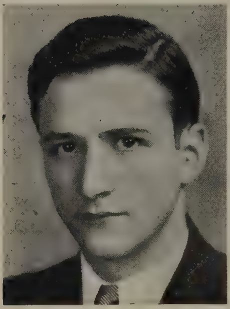
The Student Honor Marshals

Albert Bachman
Earl Gilman Beard
Alexander Bogot
Willis George Buehne
Roy William Carlstrom
John Otis Cavanagh
Charles Arthur Cunningham
Harold Rex Davis
William Anthony Janssen
James William Juvinall
George Albert Nelson
Franklin William Paine
Harry Paul Richter
Max Joseph Schinke

The following Seniors did not have their pictures taken:

Abe Brotman
David F. Chapman
Sol T. Edelman
Samuel A. Milevsky
Lowell R. Newton
Charles T. Sommerville
Irwin A. Sugarman
Dan I. White

JUNIOR CLASS



Joseph D. Fernbach

THE CLASS OF '33

OFFICERS

Joseph D. Fernbach	President
George J. Beemsterboer	Vice-President
Walter H. Larson	Secretary
Wilfred W. Davies	Treasurer
Harold W. Bodinson	Social Chairman

Three years behind us; only one more to go! Three years ago we entered as green freshmen—one year from now we depart as sedate seniors. The time reviewed seems short, yet how far away did the august junior appear when we were freshmen? Now, in looking backward, these years, though not without their share of difficulties and moments of pleasure, have passed all too quickly.

As lowly freshmen we struggled diligently and looked forward with a great deal of expectancy to the time when it would be our privilege as lordly juniors to maintain the time-honored custom of working assiduously yet appearing leisurely. Alas, the time has come and gone, and we have found that appearing at leisure is almost a senior's task.

Dim memories of those great old freshman days appear now in our minds. The joviality of the Freshman Handshake, the madness of the fraternity rushing season, the steady grind of study, the social life, interclass athletics and the class rush all merge to give one a hazy remembrance, punctured here and there with sharp recollections of that first year at Armour.

Then the return to school after our first vacation. A vacation spent possibly as a vacation should be spent, but probably at summer school, the inspection bureau, sum-

Weldon, Vanderpoorten, Sademan, Sorensen, Carlstrom, Steinhaus, Ellis, Bodinson
Staib, Bannasch, Becker, Clanton, Kenner, Snapp, Larson, Smethells, Curran
Simons, Miller, Erisman, Christensen, Marks, Booth, Belton, Guettler

Bodinson, Beemsterboer, Davies

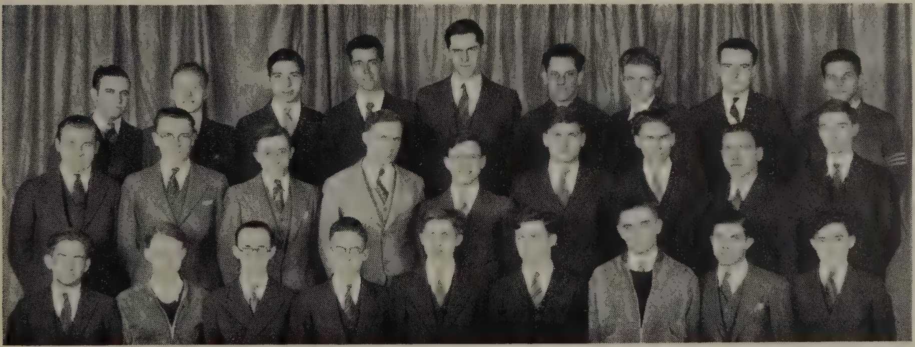
mer camp, or working at some position.

The second year soon resolved itself into a series of crams for quizzes, writing reports, or "charetting" at the Art Institute. This proved to be the most devastating period of our educational life, as here physics and calculus seemed to be the piers most likely to crumble when crossing the bridge from the sophomore to the junior year.

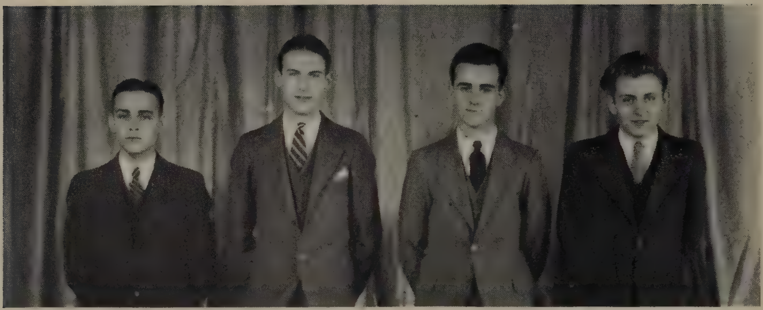
And then this, our third year at Armour, our first in the last half of our college life. Its memories are sharp and clear in contrast to those of our first year. Sharp and clear not only because of its recentness but also because of the brilliancy of the events in it. Class election, Junior Informal, Junior Week, Junior Prom, each stand out in this all-too-short junior year with a distinct and noteworthy prominence.

In previous years the class has been well guarded and directed by the faculty in its studies, but now we have been placed upon our own initiative and resourcefulness. In meeting this drastic change in educational policy the class of '33 has accepted and answered the challenge of fitness in a manner worthy of engineers.

While not losing sight of the primary purpose of coming to college, the members of the class realize that technical training



Hoffman, Dumser, Krawitz, Snelling, Eberth, Cohan, Lange, Hulswit, Demikis
Rychlik, Priban, Kaiser, Bronwell, Fernbach, Schwenneson, Gess, Knudson, Reber
Feinberg, Reardon, Job, Juvinall, Kerrigan, Dombrowski, Rowe, Fishman



Bodinson, Peckman, Oberbeck, Lange

alone is insufficient for material success. Thus they have diversified their efforts to include the athletic, literary, and social activities, as well as scholastic endeavor.

In athletics, the class is well represented. It furnishes a large number of varsity men to the school. While not always successful in carrying off the banner in interclass competition, at least the victors were forced to exert themselves to the utmost. It is the belief of the members of the class that a sound body as well as a sound mind is essential in the equipment necessary for success. Interclass athletics provide an opportunity for those of us of only ordinary ability to develop ourselves physically, and therefore form an important part of every student's curriculum.

Other activities have also engaged our attention. Those of us who aspire to literary fame have found opportunities on the staffs of the various school publications, the Armour Tech News, the Armour Engineer, and the Cycle. The musical organizations have been well aided in producng chords and discord by many of the class members. That the members of the class are skillful in "hitting the mark" is evident by the large number represented on the Rifle Team. Then, too the engineering societies of the different departments have received the heartiest cooperation from the class, since it realizes the

Barnett, Johannisson, Hollmann, Moline, Jensen, Paine, Kubicka, Bestler, Galvani
Winogrond, Helmick, Lomasney, Hackley, Shaver, Ream, Winegar, Luckerman

The Junior Baseball Team

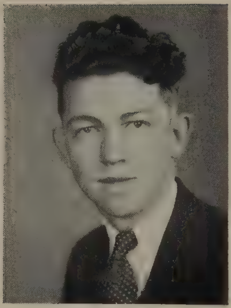
importance of establishing an early contact with industrial engineering and practicing engineers.

In recognizing the importance of scholarship and extra-curriculum activities, the class has not neglected that important and enjoyable aspect of college life, the social functions. The Informal Dance, held in January, at least equaled if it did not surpass similar functions in the past, while the Junior Prom, held during Junior Week, was unanimously voted a huge success. It was here that dreamy music and a mellow atmosphere produced a real appreciation of college life. The Prom gave a sparkle and a zest to the college school year that could not be obtained in any other manner, and was a most fitting climax to Junior Week.

Altogether our third year has been the most enjoyable of them all. It is in this year that the class politicians rise into prominence; that the social life reaches a peak never equaled before or in the future. It is here that the juniors show themselves to be the most prominent organized group in the school. Too soon the third year has passed, and that elusive fourth year will slip between our fingers in a like manner, leaving us finally on the threshold of life.

McWilliams, Gabriel, Jackson, Alexander, Mauer, Giovan, Beemsterboer, Loesche, Carlstone
Kampwirth, Kaplan, Donnellan, Rosenfeld, Bottorf, Meyer, Poedtke, Fuhrer, Aostetter

SOPHOMORE CLASS



James L. Lynch

THE CLASS OF '34

OFFICERS

James L. Lynch	President
Leonard G. Rummel	Vice-President
Loy A. Callen	Secretary
Berthil H. Peterson	Treasurer
Francis E. Headen	Social Chairman
Edward G. Avery	Sargeant-at-Arms

"Half the battle finished" and "half the victory won" in reaching the goal of a college education, a degree, and the right to a position as a full-fledged engineer. Such are the thoughts of the members of the class of '34 as they stand mid-way in their college career.

During their first two years, the class of '34 has not hesitated to show its class spirit in the class room and socially. The struggle they have had to survive at Armour has only strengthened this spirit and will serve as a good foundation on which to build the next two crucial years.

As the class entered its sophomore year, there seemed to be a slight feeling of superiority among its members in that they had left the ranks of frosh, but they were soon humbled when the professors began giving problems in physics, calculus and mechanics. Then they derived satisfaction only from the thought that these difficult subjects would be things of the past in the spring of '33.

The theory of evolution has been proven to exist even in school life. As these men look back on their freshman work, they realize that it was elementary in comparison with the type and volume of studies and studying incorporated into the sophomore year. Consequently, they are facing the junior and senior years knowing that hard tasks are in view, but with the stamina to put up a good fight, as they have the basic fundamentals

Bewersdorf, Omiecinski, Lillis, McBrady, Kapecki, Shaw, Hutchinson, Storey, Nelson, Nuetzel
Finlay, Henoch, D'Alba, Stasiulis, Jacobson, Thompson, Gray, Dobson, Streb
Thomas, McDonald, Ronowski, Viktora, Schmidt, Hoyer, Sullivan, Dase, Sachs, Lippincott

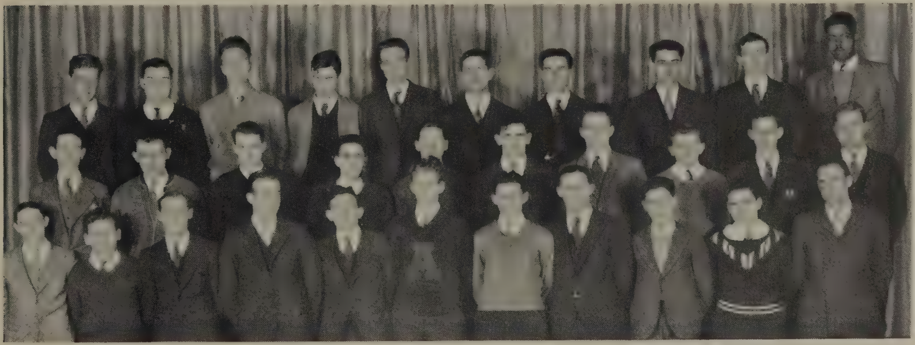
Headen, B. Peterson, Rummell, Callen

of engineering as weapons to aid them in going through and proving the calibre of the members of the class as engineers.

A close feeling of relationship has been developed among the fellow members of '34. Each man realizes that he as well as his classmate is striving for the same purpose, and thus a comradeship that could not be gained in any other manner is achieved by the embryo engineers. Our relationship has changed from a mere "Hello, Stranger." in 1931, to "Say, pal, let's get together on this!" in 1932, showing that through similar work we gain friendship and comradeship.

The class has not only shown definite progress in a scholastic way but has considerably enlarged its social and athletic scopes. All may look to their laurels when '34 athletes are about, as they have built up a formidable reputation. This was accomplished as a result of their coming into the limelight early in the freshman year when they snatched both interclass baseball and basket ball championships and later corroborated their ability in their victory in the Class Rush of 1931.

There has not been any degradation in the sophomore year, as the '34 teams gave the seniors a hard fight for the baseball championship and later captured the basket ball championship from them. Several of the men have gained places on the Varsity Team also, and we are mighty proud of them.



La Force, Cosme, Burkhardt, Casey, Lantz, Bloom, Morrelli, Lewus, Leonard, Alexander
Wood, Curran, Ketchum, Kann, Tague, Flyer, Ekroth, Marcus, Renstrom, Gibson
Reed, Knudson, Carlson, Pflum, Feldman, G. Nelson, Zukowski, Krol, Cohan, Simon, Thomas

Callen, Headen, Lillis, B. Peterson, Krol, G. Graham

Members have participated in almost every field of athletics and having shown their dependability and mettle early in their school life, we have confidence in their ability to make the class of '34 famed in athletics in both junior and senior years.

The class has had several successful social events and proved that even studious, prospective engineers can step out and enjoy themselves. At such events we are "gentlemen engineers" in the midst of a happy social whirl. The occasion of the class dance proved to be the ultimate in gayety and splendor.

Class members have been interested in all curricula activities of the school and have been prompt to respond to these interests by joining the various organizations and taking an active part in them. They know that, in order to get the full benefit of their college education, they must make the most of all the opportunities offered them, and that all these participations will add to their future career as engineers.

The sophomore class fully appreciates and also wishes to thank the faculty for the effort and interest they have taken with the class as a whole and the individual members. Each member realizes (although at the time it

Kastner, Raschke, Ferrara, Richardson, Jung, Svoboda, Anderson, Swanson, Myers, Williams, Hensel, Headen
Butch, Cohes, Robinette, Lehmann, Mills, Freitag, Kane, Hillman, Cerman, Noerenberg, Schorling, Behles, Cramer
Tamney, Smith, Kolve, Kuffel, Knudson, Brockman, Masure, Gundersen, Ziegler, Marty, McFarland,
Peterson, Krause, Avery
Krause, Suman, Graham, Lundin, Fleissner, Koko, Bacci, Castanes, Brenner, Davidson, Colburn, Huster, Wulf, Peavey, Auge
Larsen, Honson, Johnson, Omiecinski, Christoph, Rummel, Lukas, Lynch, Simpson, Kostenko, Clarkson, Goldman

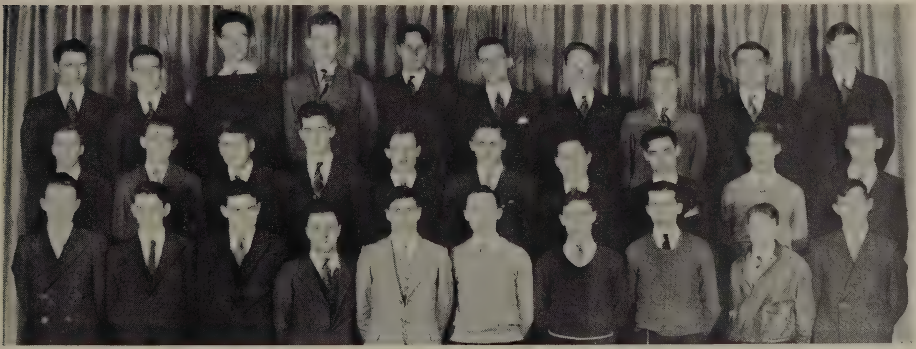
Lucas, Castanes, Lillis, T. Omiezinski, Patla, Lynch, Richardson
Christoph, Reed, V. Omiezinski, Machinis, Alberti, D. Casey

might be difficult for a professor to perceive this), that such training means much to him and will gradually build up for him a life work.

The class understands that it is not more engineers that our country needs most, but better trained ones. Therefore these members of '34 are willing to try their best in order to meet this qualification and at the same time to uphold the traditions and standards of Armour Institute as the previous classes have done, and the future classes will do.

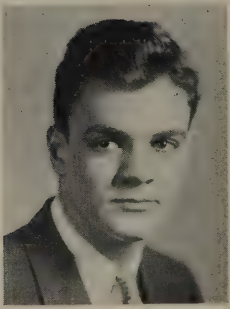
It is the duty of the members of the class to endeavor to solve the problems as they are set before them and to familiarize themselves with the practical application of the fundamentals of engineering.

Having had two years' background in all the various aspects of Armour school life, namely, in education, social life, sports, and organizations, the class of '34 feels competently equipped to enter upon the last two years of its college life with not only the thought of going forward but determined in that progress to succeed. In the spirit of the conqueror we may say, "Welcome, Junior year, we are ready!"



Ader, Smith, Malloy, Murphy, Gerhardt, Cheatham, Schreiner, Egloff, Traver, Stormer
Spangler, Swanson, Wuetig, Kuehn, Irion, Chadwick, Rosenthal, Machinis, Hanes, Lukey
Cunningham, Alberti, MacFarlane, Adreani, Lodeski, Korink, Kelch, Priest, Laestadius, Klima

FRESHMEN CLASS



John J. Ahern

THE CLASS OF '35

OFFICERS

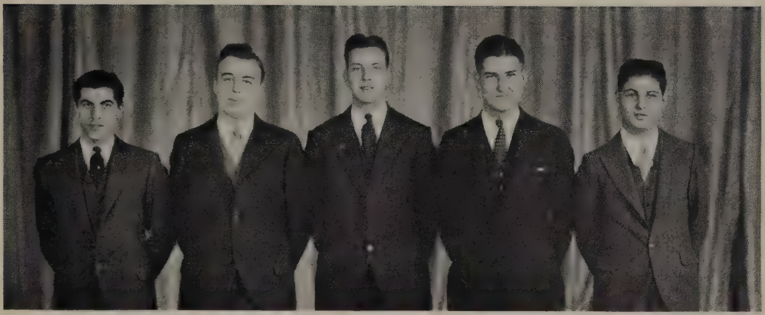
John J. Ahern	President
Edward F. Flanagan	Vice-President
Bernard Abrams	Secretary
Arthur Skjordahl	Treasurer
George W. Wheaton	Social Chairman
Ray J. Albano	Sergeant-at-Arms

On September 23, 1931, two hundred and seventy freshmen passed through the portals of Armour Institute for the first time; the largest freshman class in the history of the school. This group was selected from over seven hundred applicants, and therefore much is expected from them in the next three years. The class has been made to feel this, and already have made an excellent start in realizing the expectations of the upperclassmen.

The first day of October brought the first class assembly of the new students. The usual chaos which results when the freshmen "get organized" was noticeably absent. Temporary committees were chosen and functioned in a smooth manner. The pro-tem officers took charge of their duties until the election of the class officers could be conducted. From the hard-fought campaign, it is evident that the class of '35 will furnish several excellent politicians to increase the fame of Armour Institute.

To the members of this class, these first few days were the beginning of a new transition in their lives. The radical change from anything they had previously experienced for a moment plunged them into a sea of bewil-

Granger, Faro, Dushek, Doane, Freilinger, Smerz, Blackshaw, Wertzler, McKibben, Wittekindt, Messinger
Beckwith, Zimmerman, West, Andslik, Corwin, Hufschmidt, Hedin, Dahl, Hedlund
Work, Stoyke, Toerper, Hazelton, Hockert, Biegler, Riesz, Abrams, Vendley
Addis, Arenson, Brabenec, Cannon, Bernstein, Heller, Mecklenburg, Phillips, Petraites



Albano, Flanagan, Skorgl, Wheaton, Abrams

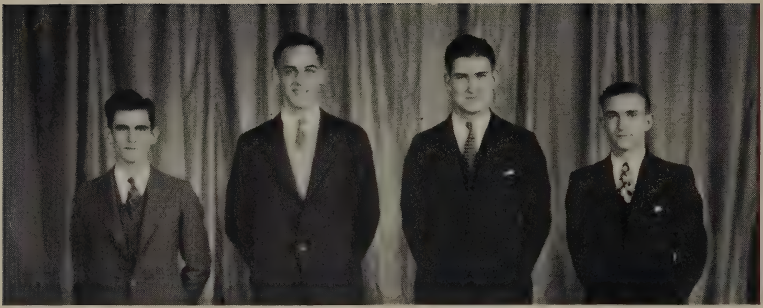
derment, but they soon were oriented to college life and able to function in their natural style.

One event which did much to make the freshmen feel at home was the Freshman Handshake, which was conducted under the supervision of the upperclassmen, and received excellent support from the faculty and the musical organizations. At last the new men were able to meet the upperclassmen on equal terms, and as a result many fine friendships were formed that night. As in previous years the affair was climaxed by the precedential serving of apple cider and doughnuts. This time-honored custom relieved any tension still in the atmosphere.

The morning of October third swept into the lives of the new students with a rush. The long awaited fraternity rushing began in earnest. Each individual became overnight the man of the hour. The daily social functions made their presence felt in the classroom, but only for a few days. The freshmen were in the limelight and reigned supreme with an arrogance surprising and painful to the upperclassmen, but that, too, lasted only a few days.

The highlight of the interclass baseball tournament was the freshman-sophomore game, held on October 15. Although the

Smith, Twerp, Hella, Ahern, Fenske, O'Connor, Savidis, Jones, Henning, Slavens, Wall, Smith, Zibble
Cooper, Virgilio, Rogers, Ahern, Trudelle, Galbraith, Roberts, Duerrstein, Weiland, Goldberg, McGill
Jonuska, Thompson, Healy, Dojnik, Kobzina, Mayerowicz, Schneider, Willis, Hanson, Wilson, Collatz, Chafin
Kerlin, Stutz, Petersen, Weber, Divis, Kercher, Talaber, Patterson, Troemper, Babcock
Wuetig, Friede, Henoch, Levy, Bard, Hoffman, Wolf, Lauchiskis, Conrad, Nakayama, Kulpak

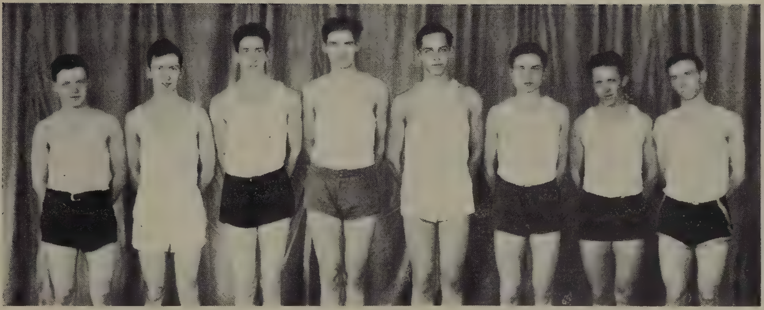


Zibble, Collar, Wheaton, Biegler

new men were an unknown quantity, many expected their superiority over the sophomores to be too great for the upperclassmen to overcome, but this idea was dispelled when the sophomores coasted to a 9-0 victory. In basket ball, the freshmen once more fought gamely but hopelessly, and the sophomores turned in a 29-5 decision. In spite of these defeats, the class boasts of several aspirants to varsity positions and hopes to wipe out their early failures with a decisive victory over the sophomores in the Class Rush. That the class possesses initiative and resourcefulness was proven by the fact that a wrestling team was organized solely through their efforts.

The other extra-curricular activities of the class are far-reaching. Representative members are already putting forth their best efforts on the Armour Tech News, the Armour Engineer, and the Cycle. Several literary genii appear to be present, who will in two or three years be fitted to take over the editorial and executive reins on the staffs of these publications. Then there are those who are prominent in one of the musical organizations, including the orchestra, the band, and the glee club. Others less talented show their versatility by interesting themselves in one of the clubs or organizations. As progress is made in the education of the class, more time will be allowed for extra-curricular atcivities, for the class realizes how important they are to a well-rounded and fully devel-

Elliott, Stocking, Chiappe, Lange, Kettlestrings, Huppert, Ulip, Schavilje, Bristol, Adamec
Miller, Jones, Buchhauser, Sumner, Grossman, Sherk, Shapiro, Hosek, Searl



O'Connor, Biegler, Uzunarisx, Heller, Collatz, Lanchiskis, La Pedus, Levey

oped engineer. Then, too, as upperclassmen, the class of '35 will be eligible for membership in the engineering societies, which will provide an opportunity for valuable contacts with practicing engineers and bring the members of each department into a more compact group.

From a review of the past achievements of this class, we see an abundance of material for every school activity in the ranks. The class has an enthusiastic spirit which promises well for the future, and it is evident that this material will not be wasted. Although the passage of the first year has brought about many changes in the personnel of the class, for the hazards that the men have passed through have left their mark, those who remain are older and wiser, and profit by the experiences they have encountered. They are ready to face the next three years with a confidence in their ability to weather any academic storm. The habits of study that they have formed in their first year at Armour will prove to be of invaluable aid to them in their future training. They have the records and the traditions of the many who have gone before them to uphold, and they will not only follow in their footsteps, but will endeavor to raise the fame of Armour Institute to a new and lofty position. Their greatest opportunities, their finest accomplishments, lie still before them. We look forward to seeing them establish a record that any class might well be proud of.

Walker, Hilfman, Kvapil, Lester, Youngkrantz, Humiston, McCarty, Wheaton, Morrison, Davidson
Marow, Van Dyke, Handler, Rosen, Allen, Palmer, Ahlgrim, Frolin, Peterson, Leonas

Let us then be up and doing,
With a heart for any fate;
Still achieving, still pursuing,
Learn to labour and to wait.

ACTIVITIES

SOCIAL

JUNIOR INFORMAL

The social committee of the class of 1933 had fully decided to make their all-important Junior Informal one to be remembered.

The committee selected as the dance site, the Oriental Room of the Hotel Knickerbocker.

The date, February 19, 1932, was well chosen, being at the beginning of the second semester, when school duties could keep very few away.

Most important of all, and vastly more unique, was the orchestra selected. For the first time in Tech's social history, a colored orchestra, Cass Simpson's "Band from Harlem", was chosen to preside. The novelty of this selection, with the delightfully enchanting music presented and the well chosen programs served as magnetic drawing cards.

SENIOR INFORMAL

This first class-informal of the school year was the last to be presented to Armour men by the graduates of 1932.

Our fellow-students converged at exactly nine, in the beautiful lobby of the Medinah Athletic Club. Each came with a fair and beautifully gowned young maiden clinging proudly to his arm. Thence, via the swiftly rising elevators, they were transported to a veritable fairyland, the Main Ballroom.

Now all introductions were completed, and all programs filled out, and the music commenced. To the rhythm provided by Waddy Wadsworth's R-K-O Orchestra each young couple glided swiftly away.

Senior
Social
Committee
Beal
Yount
Baumann
Trauten
Casey

THE FRESHMEN SMOKER

Armour's frosh held their annual smoker and evening of good fellowship at the beautiful and newly dedicated Lawson Y.M.C.A. This tall monument to American Youth provided an entirely fitting location for a social gathering of such serious students of engineering as Tech freshmen are. March 11th, a Friday evening at the beginning of spring, was the time chosen.

The entertainment included a really clever skit by the Armour Players, some selections by a student orchestra under R. Albano, and to close the meeting a humorous but enlightening talk by Prof. Schommer. Refreshments were served at the conclusion of the evening's activities.

INTERHONORARY BANQUET

The fifth annual Interhonorary Banquet given by and for the active members and pledges of the honorary organizations at Armour was held on December 16, 1931. The site was the Silver Room of the Hotel Knickerbocker.

As the many individual appetites were appeased, Professor Heald, as toastmaster, rose to briefly introduce our already well-known friend and leader, Doctor Scherger. Our professor gave an excellent discourse advising against any tendencies of an individual to lead a one-sided life, and so to lose a proper perspective. He then introduced the evening's main speaker, Postmaster Arthur C. Lueder, head of the Chicago Postoffice.

"Soup's On" for the Honoraries

THE A. T. A. A. INFORMAL DINNER 1931

The Second Annual Armour Tech Athletic Association Informal Dinner for the athletes of Armour was held on the evening of May 25, 1931, in College Hall of the University Club.

In the spring of 1930, the A. T. A. A. conceived the idea of having an annual banquet in honor of the men who keep the spirit of athletic competition alive at Armour. To it are invited all those men who have earnestly tried for a place on one of the Tech teams, whether or not he has won an award.

The site of the banquet was ideal, being as it was, in an atmosphere of collegiate activity and influence. The one hundred thirty-two young men present were greeted with a beautiful vista of shining damask-clad tables and glistening silver and glassware as they entered College Hall. At the speakers' table, on a slightly elevated dais, were reserved places for President Raymond, Dean Penn, Athletic Director Schommer, Mr. Allison, and the officers of the A. T. A. A.

Professor John J. Schommer served as an excellent and highly successful toastmaster, making an interesting short talk regarding the athletic possibilities at Armour. Dr. Raymond gave a really humorous discourse on his own athletic career, and Dean Penn, bringing the topics down to a more serious vein, spoke of his policies as regards athletics for the undergraduate, and especially the technical student.

JUNIOR FORMAL

Armour conducts only one formal dinner-dance during the school year, and this glorious finale' to Tech's social activity is under the direction of the Junior class. Holding to tradition, the formal was presented as a brilliant climax to Junior Week, and was on the evening of Friday the thirteenth of May.

The Junior social committee had wisely selected the very beautiful ballroom of the Drake Hotel, and had obtained the services of Johnny Maitland's orchestra.

The dinner was indeed a piece of culinary skill, and with the artistic and delightfully unusual favors presented to the feminine guests, is it any wonder that the memory of this rapturous evening will live long in the hearts of each young couple in attendance.

FRESHMAN-SOPHOMORE INFORMAL

For the first time in Armour's social history, an informal sponsored by two classes was presented. This dance, the third of the season, sponsored by both the freshman and sophomore groups, was held on Friday, April fifteenth.

The committee, under the able leadership of the co-chairmen, F. E. Headen, '34, and G. W. Wheaton, '35, selected the gorgeous Gold Room of the Congress Hotel as an ideal setting. Our informals have always been presided over by prominent orchestras, and this time as "Tweet" Hogan and his orchestra were at hand to provide the necessary melodious strains.

INTERHONORARY DANCE

Social activity is not the purpose of the organization of any of the honorary societies at Armour. However, even the brilliant scholars, journalists, and musicians of Tech must seek recreation at times. The Honorary Fraternity Council has annually presented an informal dance, the privilege of attendance being accorded only those boasting membership or pledgeship in one or more of the honor societies.

The attendance was, of course, entirely of juniors, and seniors, and it seemed almost inevitable that a slight feeling of melancholy should prevail; the men realizing, as they do, that soon they will leave behind them such enjoyable pleasures as this, and such solid friendships as are cemented by kindred interests and fraternity brotherhood.

JUNIOR WEEK

Sandberg, Jungels, Grundstrom, Long, Waindle

JUNIOR WEEK, 1931

Junior Week!—the one week of the thirty-six when the embryo engineers lay down their texts and lock up their slide-rules in order that they may give unhampered play to the spirit of joy and to athletic competition. Sports and fun are as essential to the young man studying engineering as they are to any other student, although it is not generally realized. During this five-day period, his time is taken up completely with baseball, track, tennis, the interfraternity sports, the Home Concert, Open House Night, Circus Day, and last and perhaps best, the Junior Formal.

G. Nelson, Pentathlon Winner

On Monday afternoon, May eighteenth, activities began with a baseball game featuring the Tech Varsity and an Alumni aggregation. The contest's result was highly satisfactory to our Varsity. On that same afternoon an interesting tennis match with the Lake Forest College team was won by Tech, four to three, on the Armour Courts.

Open House Night featured the first evening, and despite a dismal rain, a record attendance of twenty-five hundred visitors was recorded. The exhibits were varied and more interesting than ever before, and were enthusiastically received by the many spectators.

Wednesday afternoon was occupied by a hard-fought tennis match between the Tech team and Valparaiso University. The Hoosier visitors finally conquered, five matches to four.

Theta Xi's parody, "The Mechanics of American Injustice".

Wednesday evening everyone gathered in Armour Mission to the annual Home Concert, and the Interfraternity Sing. The concert was the most successful held in recent years, and featured selections by the Glee Club, the Orchestra, and the newly created Chemical Orchestra. These organizations performed in a manner astounding to all, especially so when it is recalled that every man is hard at work on his technical studies and has but little time to give to the required practice. The Interfraternity Sing was delightful, producing, as it did, two beautiful songs from each group. Delta Tau Delta was adjudged the winner, and in the opinion of the entire audience well deserved the honor. At this point Dr. Raymond presented the loving cup emblematic of their victory, and also presented the Honor Cycles to the Honor Edition Award Men of the Class of 1931.

Thursday afternoon was a busy time, inasmuch as this was the occasion of holding the annual Interfraternity Track Meet. There was tense competition throughout for both individual and group honors. Finally Triangle with 46½ points was announced the winner, and the receiver of the traveling cup for 1931. Oberbeck, of the Triangle Fraternity, was high point man of the meet, and as such received a gold medal.

Circus Day, Friday, was the day of days, best and busiest of them all. Then the spirit of sport and joy reached its climax. On this day the academic subjects, important as they are, are entirely forgotten by the students, and all their energies are devoted to the many activities filling their all too short time.

First of all in the day's events was the Interclass Relay, always a hotly contested

Official Program

Freshmen Win Class Rush

affair. The junior team won a very fast race from some mediocre competition offered by the other classes.

The annual Pentathlon Competition occupied the remainder of the morning, and furnished much of tenseness and spectacular interest to all the spectators. Excellent performances were turned in, the contestants being the outstanding track and field athletes on the Tech track team. Armour's stellar freshman, George Nelson, won with a total of 4387 points, A. Jens and J. James being tied at second position with 4036 points each.

The Interfraternity Relay was held in the late forenoon, and was won by Phi Pi Phi, in a desperately contested race.

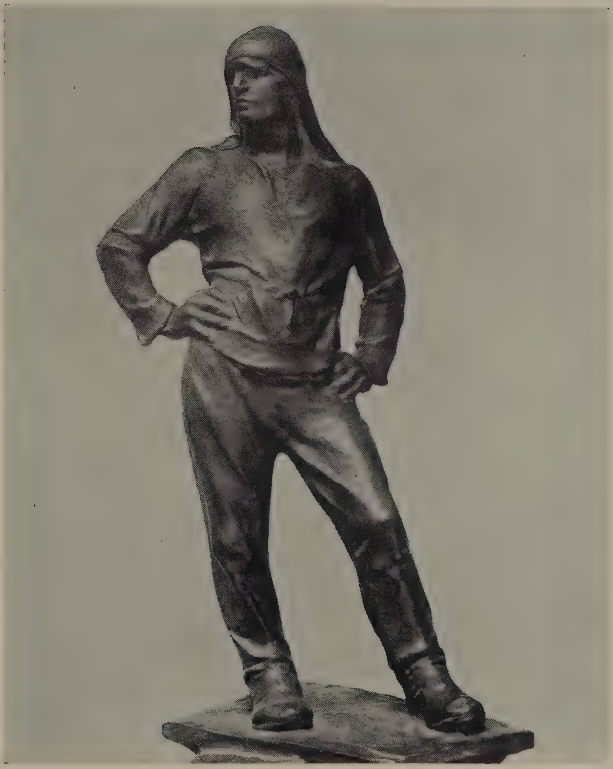
A short pause in the activities for lunch, and then preparations were undertaken for that annual classic, the Class Rush. It was a bloody affair with many torn shirts and trousers, and not a few scraped shin-bones. The far outnumbered sophomores, under Roy Carlstrom, were forced to bow finally to the fierce onslaught of the Frosh, led by Arthur Larson, and the final tally, counted in sacks, was 32 to 13. Photographs were taken of the battle by one of the metropolitan dailies.

The awards for all winners during the week were now given out from the judges' stand by Dr. Raymond, and Junior Week was over for 1931. That is, over for all save those fortunate juniors and seniors who were to attend the Junior Formal to be held that evening in the Oriental Room.

After the Battle

ΔΤΔ
ΔΤΔ

PHI-PI-PHI
PHI-PI-PHI



SUMMER CAMP

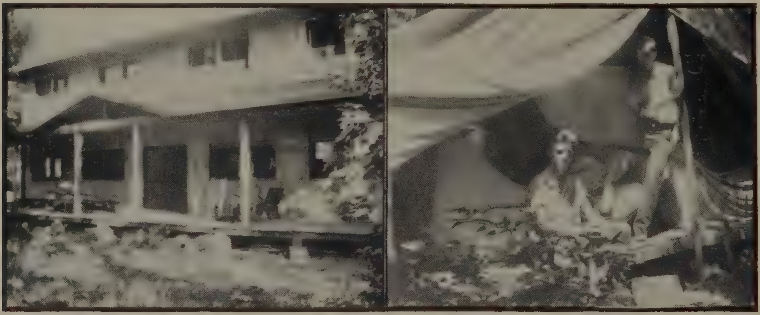
SUMMER CAMP, 1931

Every year, in each freshman class, the men look forward to the time when they will be able to enjoy six exciting weeks in the great north woods of Wisconsin at Camp Armour.

Accordingly, on Friday, June 12, a group of eighteen, comprised mainly of freshmen civil engineers, departed from the Union Station, bound for Camp Armour situated in a scenic portion of land bordering Trout Lake. The bus transported them to State House from Minocqua. Here, the camp instructors and the camp Ford, piloted by H. C. Rossing, in addition to several who motored up, gave the boys a cheerful welcome. From here, the tedious trek of one-half mile to the camp began, with the boys unwillingly relinquishing their instruments, which they had so faithfully brought with them, and then the Ford carrying this precious load hurriedly rattled out of sight.

Upon arriving at the camp, the nearly famished men dug into a noon-day meal as though nothing else mattered. The remainder of the afternoon was used in preparing the camp to suit each individual whim of the campers.

On the following Monday, the work began. Taping, use of the transit and level, and then more practical work as triangulation, laying out bridge piers, area of land,



The Recreation Union and Siesta for Three

railroad location problems, and others constituted the surveying work.

Week-ends were spent in exploring the country by the majority of the campers, and the rest used their time to better advantage by "reeling" in the deep sea monsters of Trout Lake.

As the result of some frivolous play with a baseball, a game was held with the Red Arrow Camp on lower Trout Lake, and the result was a bitter memory embedded within the hearts of Camp Armour's men. Six professors visited the camp on the first Sunday and brought about nineteen good sized fish. We had so many fish dinners that those who went fishing almost endangered their lives if they brought in any fish. The sport was quite productive this year, and the swimming proved to be excellent.

Many of the socially minded men went to the dances in the dear old town of Trout Lake which consists of a dance hall and a general store, both owned by the same man.

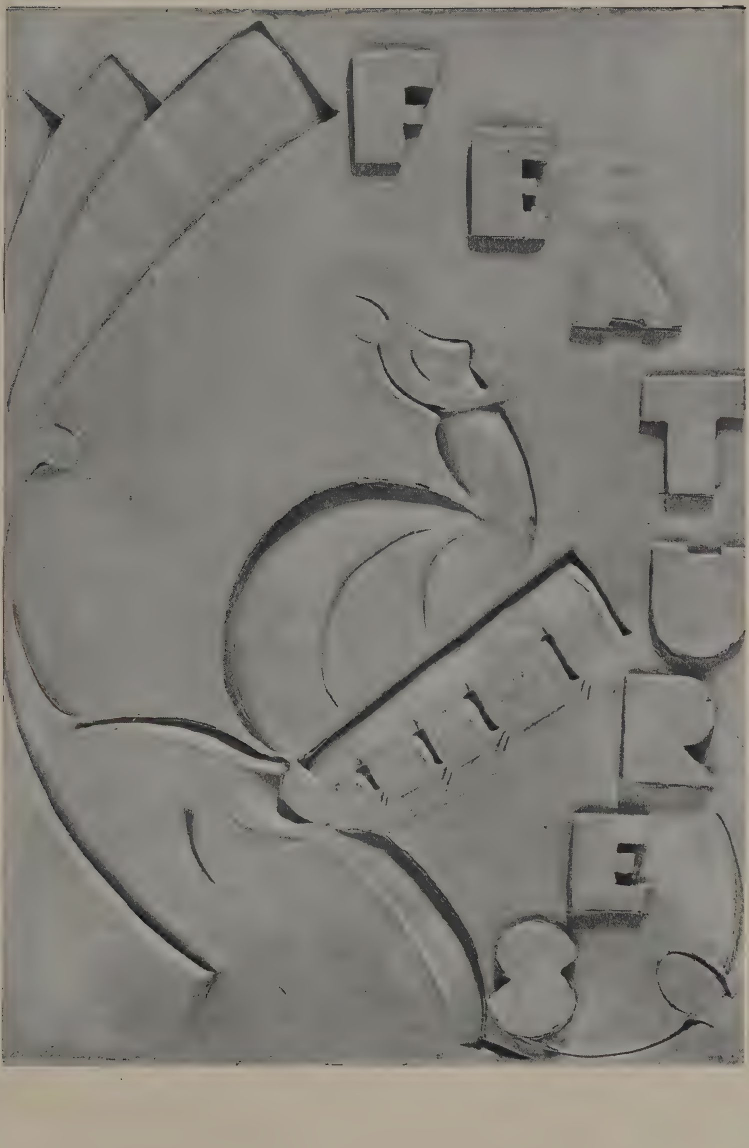
July 4th saw many visitors in camp, but no brilliant displays of fireworks were evident, although everyone had a good time.

During the last few weeks of camp, a barnstorming plane blew in and nearly everyone in camp viewed the forests from the air. What a sight that was!

On Friday, July 24, the tents came down and the men boarded the old Iron Horse, making their way to Minocqua where a short wait brought the Fisherman's Special which brought them to the most welcome sight of all—Chicago.

"Monday Wash Day"

All is not gold that glitters


FEATURES

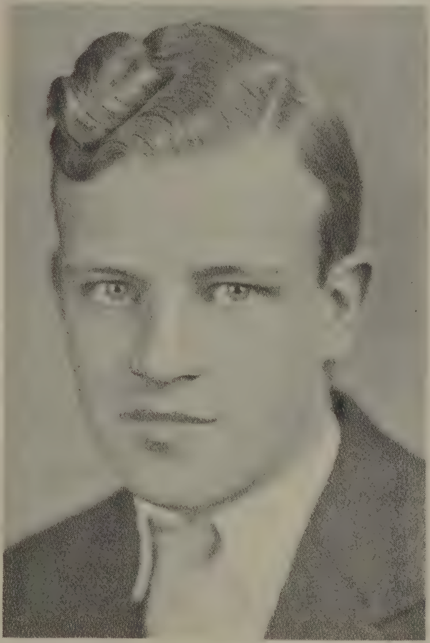
REPRESENTATIVE MEN

THESE students were chosen by their classmates as most representative of college activities in their division as a whole.

STANLEY M. LIND

Most popular man

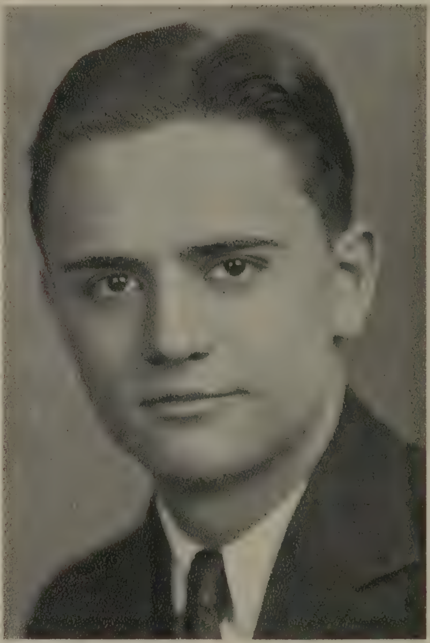
The ladies call him sweet;
The stairs, as he treads on them, kiss his feet.



HARVEY C. ROSSING

Most athletic man

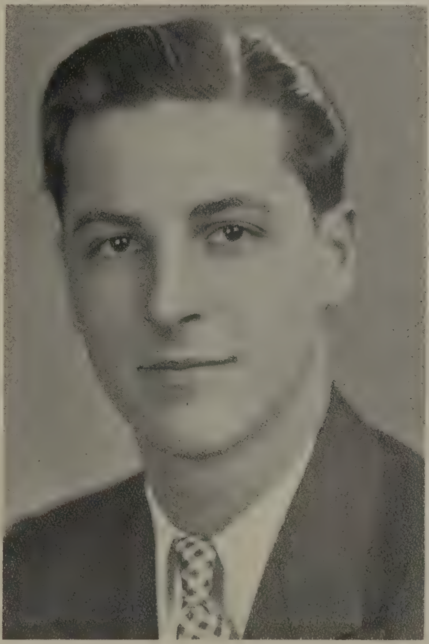
He prov'd best man 'n the field, and for his meed
Was brow-bound with the oak.



WALTER M. TRAUTEN

Most intellectual man

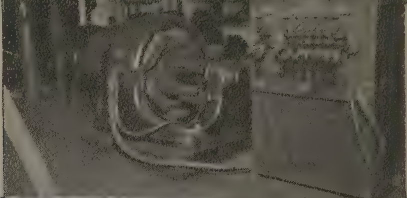
The hand that follows intellect can achieve.

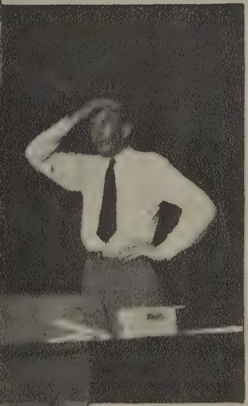


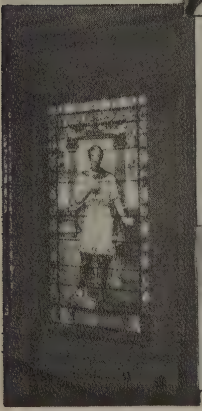
ROY F. YOUNG

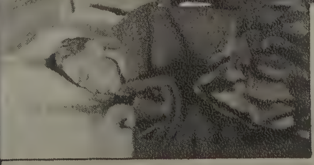
The best looking man

Beauty is the index of a larger fact than wisdom.

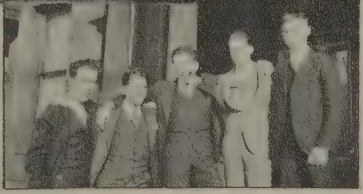


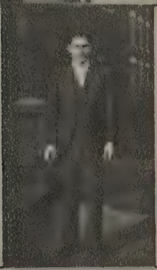


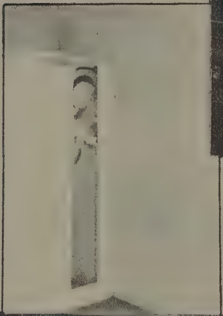


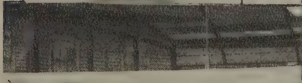
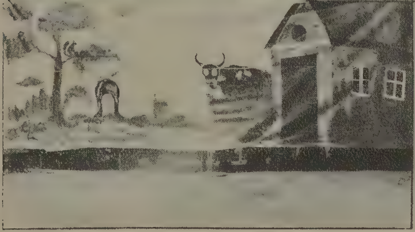


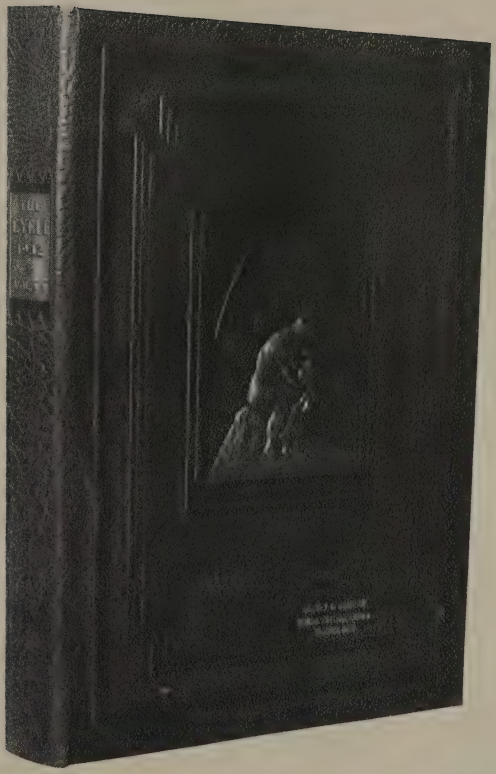
TRIANGL









THE HONOR EDITION AWARD

". . . That the Board of Athletic Control in meeting assembled each year select ten men from the graduating class to be known as the Honor Edition men; that the basis of selection shall be on the leadership and interest in all school activities displayed by these men while in school in accordance with the basis of selection now drawn up; that these men shall receive recognition of this award by appropriate publication of the Honor Edition award in the Cycle; and that each man shall receive a numbered copy of the Cycle."

Thus the Honor Edition award was conceived in 1928 in the form of a resolution presented to the Armour Tech Athletic Association, the above paragraph being an excerpt from that resolution. The following pages are the "appropriate publication in the Cycle" mentioned in the above resolution.

Harvey C. Rossing
Honor Edition Award
Number One

John O. Cavanagh
Honor Edition Award
Number Two

Stanley M. Lind
Honor Edition Award
Number Three

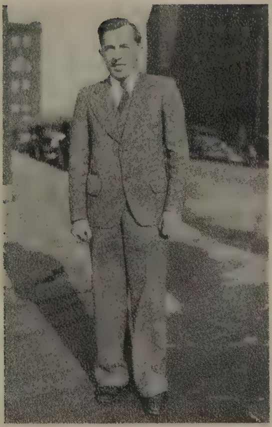
Glen W. Schodde
Honor Edition Award
Number Four

Wilbur H. Rudolf
Honor Edition Award
Number Five

Emmett A. Scanlan, Jr.
Honor Edition Award
Number Six

Charles J. Jens
Honor Edition Award
Number Seven

Frank A. Utrask
Honor Edition Award
Number Eight

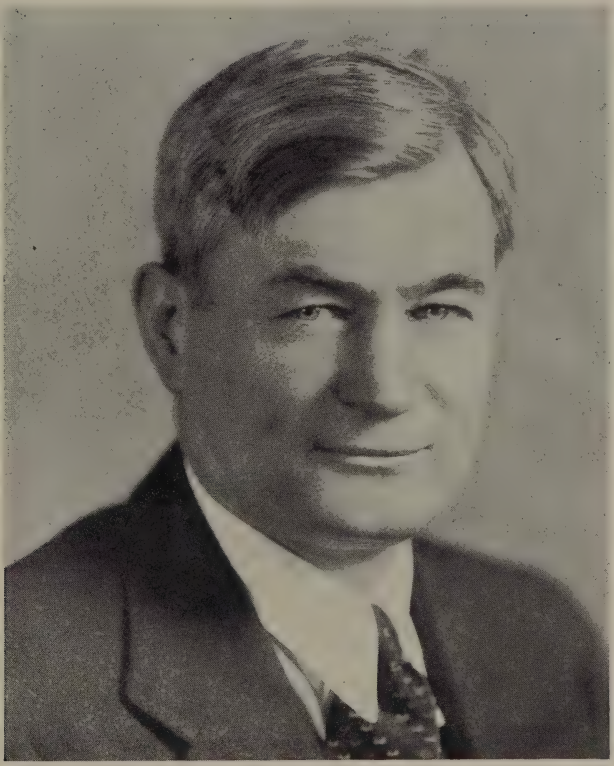


James J. Casey
Honor Edition Award
Number Nine

Harry P. Richter
Honor Edition Award
Number Ten

O, it is excellent
To have a giant's strength, but it is tyrannous
To use it like a giant.

ATHLETICS



SCHOMMER'S MESSAGE

Sportsmanship embraces many fine and subtle attitudes of mind. The game, whatever played, should be loved for its own sake and played with scrupulous regard to rules. It respects an opponent and commends and admires his excellence. It doesn't resort to vindictive spirit and hates a quitter, a boaster, an alibier or a hypocrite. It always faces odds with determination, courage and mental alertness; and in the presence of defeat, maintains self respect, dignity and good will toward opponent.

John J. Schommer

W. W. Colvert

A. A. Stagg, Jr.

E. W. McGillivray

W. C. Krafft

C. W. Leigh

B. Weissman

THE ARMOUR COACHING STAFF

Track	Alonzo A. Stagg, Jr.
Baseball	William C. Krafft
Basketball	William C. Krafft
Golf	Charles W. Leigh
Tennis	William W. Colvert
Swimming	E. Wallace McGillivray
Boxing	Bernard Weissman

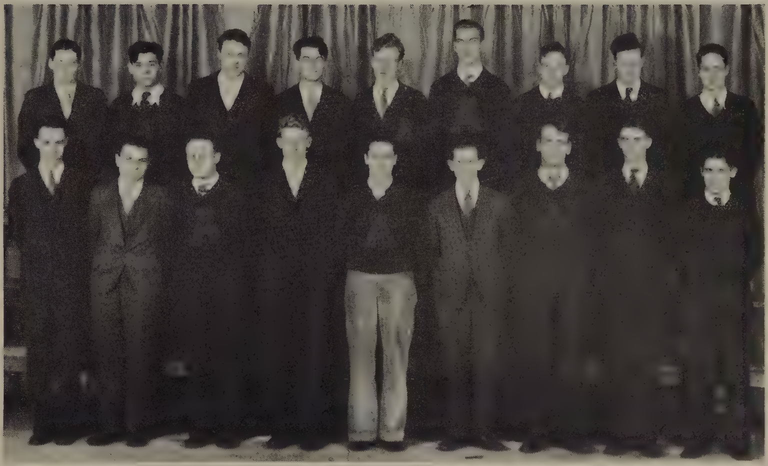
Continuing their work of previous seasons, the coaches of Armour teams have led their squads through another year.

A noteworthy event took place in the fall of 1931, when the Armour baseball team, coached by W. C. Krafft, became affiliated with the Northern Intercollegiate Conference. The league for the 1932 season is made up of Armour, Elmhurst, Lake Forest, Mount Morris, North Central, and Wheaton. The baseball team won eleven of the fourteen games played during the 1931 season and defeated three members of the league: Lake Forest, Wheaton, and North Central.

Basketball also had a successful season under Coach Krafft.

Since the University of Illinois decided not to hold its annual relays, Armour held a meet April 2, 1932, at the University of Chicago field. The track team coached by A. A. Stagg, Jr., also had a good season, the outdoor team winning four of seven meets and the indoor team one of five meets.

The tennis and golf teams had stiff competition and failed to win a majority of their games.



Hendricks, Utrask, Carlstrom, Knox, Rossing, Beemsterboer, Setterberg, Meagher, Johannisson
Cavanagh, Galvani, Sommer, Jens, Young, Helmick, Weston, Cannon, Sandstrom

HONOR "A"

The Honor "A" Society was founded in the spring of 1914, and is one of the oldest existing organizations at Armour Institute. Originally it was organized as the governing body of athletics at Armour; in 1923 it was supplanted by the Armour Tech Athletic Association in that capacity, and now exists as a society to promote athletics and to bind the athletes, coaches, students, and alumni more closely together. The badge of the society is a gold "A" charm. Membership in Honor "A" is restricted to juniors and seniors.

The sixth annual fall athletic reunion was held on December 1, 1931, at the Phi Kappa Sigma house after the alumni-varsity basketball game. It was a unique banquet in that no speakers were present. Instead all those present attended the play, "The Blue Ghost," at the Playhouse Theatre. Most of the coaches and many alumni were present at the banquet.

WEARERS OF THE "A"

MAJOR "A" AWARDS

Baseball

C. T. Link
L. Lynch
C. C. Mago
W. F. Michalski
H. J. Moskowitz
V. Omiecinski
S. Pepe
C. J. Robin
C. B. Sommer
E. J. Stehno
R. F. Young

Basketball

G. Beemsterboer
S. A. Carlson
A. E. Christoph
J. Ilg
V. Omiecinski
C. J. Robin
H. C. Rossing
L. G. Rummel
H. C. Setterberg

Swimming

J. O. Cavanagh

Track

H. L. Fox
K. S. Hirsch
D. Iverson
F. M. James
A. H. Jens
C. J. Jens
G. A. Nelson
A. W. Oberbeck
E. Sademan

MINOR "A" AWARDS

Baseball

W. G. Buehne
V. J. Galvani
T. B. O' Connor

Wrestling

F. Taliber

Track

O. T. Barnett
E. L. Cordes
A. H. Helmick
R. M. Krause
D. S. Manson
H. P. Richter
H. C. Setterberg
J. T. Sorensen

Tennis

R. R. Eddy
W. E. Schirmer
L. H. Streb
R. A. Timmermans

Golf

S. Johannisson
R. E. Meagher
F. Ollison
D. Pearson
H. B. Weis
W. Weldon
C. Wyant

Boxing

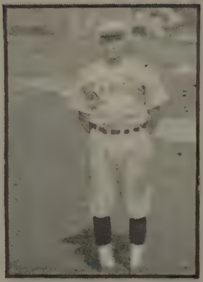
W. C. Behmer
J. L. Campione
J. P. Donnelly
I. Heckmiller
L. G. McDonald
L. G. Marcus
C. R. Mitchell
H. P. Rush
W. L. Sandstrom
F. A. Ustryski

Swimming

E. L. Byanskas
R. W. Carlstrom
J. O. Cavanagh
S. P. Davidson
A. F. La Force
E. H. Knox
A. J. Pfeiler
A. Weston
J. J. Ahern
J. B. Dirkers
M. E. Giovan
I. A. Kolve
S. Bernstein

BASEBALL

Robin



Krafft

Woods

BASEBALL, 1931

Armour's 1931 baseball team, under the direction of Coach W. C. Krafft and Captain C. J. Robin, batted out one of the best year's records by winning eleven and losing only three games. Manager Tom Woods scheduled a few of the strongest college teams in the Middle West, some of them beating the Big Ten teams in regular games.

Ed Stehno ended his collegiate career by winning six and losing two games, his best game this year being a one hit game against De Kalb on May 26. Stehno is now with Dubuque of the Mississippi Valley League. LeRoy Lynch, freshman star, also had a good season by winning five and losing one game.

Gold baseballs were personally awarded by Coach W. C. Krafft to Vic Omiecinski, who led the batting with an average of .392; "Chief" Stehno, for his remarkable pitching record; and Captain C. J. Robin, for his all-round playing while being on Armour's teams for the past four years.

Forty-five men answered Coach Krafft's call for baseball material during the first week in March, and of these eighteen were either pitchers or catchers. Veterans from last year were Stehno, Pepe, Link, Robin, Mago, and Michalski, while new recruits were Omiecinski, Moskowitz, Sommer, Galvani, Lynch, Young, and Reed.

Crane College was the first to fall at the hands of the Tech baseball team, losing by a score of 5 to 1 on Ogden Field, Wednesday, April 15. Stehno was the star of the game, striking out eight men and hitting two doubles which scored two runs. Although each team made six hits, the concentrated hitting by the Armour batters proved to be the decisive factor. An April shower finally forced abandonment of the game at the end of the sixth inning.

Armour, by a score of 5 to 2, was the winner of a closely fought game with North Central College of Naperville which was

Mago, V. Omiecinski, Stenho, Lynch, Michalski, Woods, Mgr.
Krafft, Coach, Johnson, Moskowitz, Buehne, O'Connor, Calvani
Link, Reed, Young, Robin, Pepe, Sommers

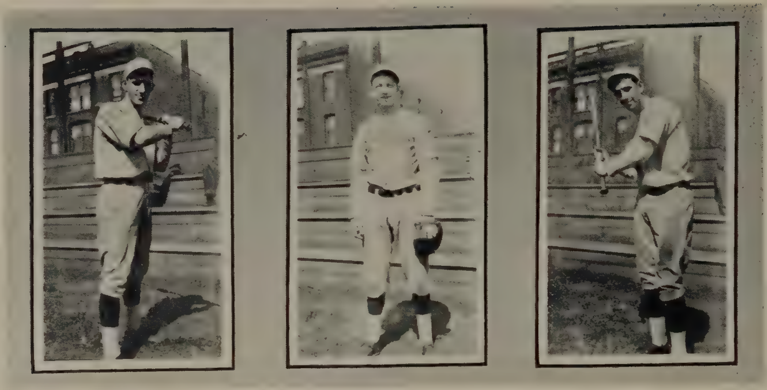
William C. Krafft	Coach
Claire J. Robin	Captain
Thomas A. Woods	Manager

1931 BASEBALL SCHEDULE

April 15—Armour 5, Crane College 1, at Armour
April 17—Armour 5, North Central 2, at Armour
April 24—Western State Normal 6, Armour 3, at Armour
April 27—Armour 9, Morton 8, at Armour
April 30—Armour 6, Lake Forest 4, at Armour (10 innings)
May 2—Armour 5, North Central 2, at North Central
May 5—Armour 5, Wheaton 4, at Wheaton (11 innings)
May 8—Michigan State Normal 6, Armour 0, at Ypsilanti
May 13—Armour 7, Wheaton 6, at Armour (13 innings)
May 15—Armour 7, Michigan State Normal 6, at Armour
May 18—Armour 10, Alumni 3, at Armour
May 23—Armour 7, De Kalb 0, at De Kalb
May 26—Armour 15, De Kalb 6, at Armour
May 28—Lake Forest 6, Armour 3, at Armour

SUMMARY

Games won—11
Games lost— 3



Michalski Lynch O'Conner

played on the home field, Friday, April 17. Until the seventh inning, with the score 3 to 2, the outcome was still doubtful but Moskowitz hit a double and Robin followed up with a home run, the first of the season. Lynch turned in a good game by allowing only six hits and striking out eleven men.

An eighth inning rally, netting Western State Normal three runs, spelled defeat for Armour in the 6 to 3 conflict staged April 24 on the home grounds. This was the first defeat of the team for the season, and the first in three years for Stehno. Three hits by Capt. Robin and a home run by Vic Omiecinski were the highlights of Tech's batting.

In a scheduled seven inning game extended to eight innings, Armour defeated Morton, 9 to 8, at Ogden Field on Monday, April 27. Buehne, the starting pitcher, was relieved by Lynch in the fourth inning after being injured. Armour had the lead most of the time, but Morton caught up several times and threatened to take the offensive but each time the Krafftsmen would forge ahead and prevent a rally.

"Chief" Stehno turned in an excellent game against Lake Forest by allowing only

Pepe Rounds First Base

Galvani

Stehno

Johnson

four hits and striking out fifteen men. The game was played at Lake Forest on Thursday, April 30, and resulted in a 6 to 4 victory. Numerous errors by Tech players resulted in an overtime game of ten innings. Vic Omiecinski won the game by hitting his third home run of the season in the final inning.

On May 2, the Armour squad traveled to Naperville, and defeated North Central for the second time by a score of 5 to 2. Lynch held his opponents to five hits, while Moskowitz starred by hitting three of a total of seven hits, one being a homer.

In the third overtime game of the season, lasting seven innings, the Krafftsmen defeated Wheaton on their field by a score of 5 to 4, Tuesday, May 5. Armour was held hitless until the fifth inning, but came through to win by snapping out of their batting lethargy after Wheaton had tied them in the ninth inning.

The second loss of the season was registered May 8, when Michigan State Normal shut out Armour, 6 to 0, at Ypsilanti. The scattered hits of Tech were not equal to the occasion, although their opponents collected the same number of hits.

May 13 saw the second defeat of Wheaton

He Wasn't Fast Enough

Young

Pepe

Link

by the Armour aggregation, this time by a score of 7 to 6 on Ogden Field. Stehno, who replaced Lynch, allowed no hits and won his own game by reaching first on an error, thus allowing the runner on third to make a dash for home.

Revenge is sweet, and Armour tasted of it by defeating Michigan State Normal, 7 to 6, in a return game played May 15 on Ogden Field. Home runs by Robin, Michalski, and Stehno, along with two-base hits by Omiecinski and Michalski, were a big factor of the game, which was very close.

The annual game with the Alumni, played May 18, was won by the Varsity, the score being 10 to 3. Numerous errors by the Alumni resulted in most of the runs gathered by Tech. Samuels, '24, and Schumacher, '23, pitched good ball for the Alumni, but lack of support on the part of their teammates resulted in an unfavorable outcome to them.

On May 23, Armour journeyed to De Kalb and defeated their team 7 to 0. Stehno pitched a brilliant one hit game, and struck out ten of the opposing batsmen, his best

Full
Speed
Ahead

Michalski

Mago

Sommer

record of his collegiate career. Moskowitz and Link starred for Tech in hitting, the former knocking out a triple and two singles, while the latter hit a double and a single in four times at bat.

Armour's eleventh baseball victory of the season was won at the expense of De Kalb by a score of 15 to 6. The game was played on Ogden Field on Tuesday, May 26, and was the second defeat of De Kalb. Free hitting was indulged in by both teams, although De Kalb did not score after the fourth inning. Armour, on the contrary, collected most of its runs in the last few innings, thirteen runs being recorded in that stage of the game.

Lake Forest defeated Armour 6 to 3, in the last game of the season, played May 28 on the local grounds. Although Armour outhit their opponents 15 to 10, they failed to hit in the crises.

The season ended with eleven wins and three losses on the books, a record only a strong team can show. The boys practiced after school several nights a week in order to develop their ability and skill to the utmost.

A Graceful But Ineffective Swing

TRACK

James, Fox

Stagg

Munch

TRACK, 1930

Winning five meets, breaking eight records and scoring a total of 544 1/3 points, Armour's 1931 track team, coached by A. A. Stagg, Jr., ended a very successful season.

George Nelson, '34, with 17 first places, was high point man, gathering 135 1/6 points during the year. A. H. Jens, '31, with 80¼ points, was second, and Captain H. L. Fox, '31, was third with 59¼ points.

Armour placed second in the first indoor meet, the Armour Informal, at Bartlett Gymnasium, with 28 points, Loyola winning with 94 points. Captain H. L. Fox copped first place in the 440 yard dash with a time of 54.8 seconds. Hirsch and Sorensen of Armour took third and fifth places respectively. A. H. Jens placed second in the 50 yard dash, C. Jens took second in the shot put, and Luckett finished second in the pole vault. Tech's relay team (A. H. Jens, Helmick, Hirsch, and H. L. Fox) ran third.

The first dual meet of the season was lost to Loyola, 55 to 22, at Bartlett Gymnasium, February 21. Tech's only individual first place was won by C. Jens, who put the shot a distance of 38 ft. ½ in. The relay team, composed of A. H. Jens, Helmick, Hirsch, and H. L. Fox, also came in first, breaking a school record by establishing the time of 2:16.8 for the two-thirds mile.

A. H. Jens and Captain James ran second in the 50 yard dash and the two mile run respectively. For the visitors O'Neill starred by scoring firsts in the half and one mile runs.

North Central won a triangular meet at its home gym, Loyola placed second and Armour came in third. A new school record of 7:4 for the 60-yard low hurdles was made by George Nelson, the freshman star.

The meet was closely contested between North Central and Loyola, the former winning by a margin of two points. Hinders of North Central was the high point man of the meet, winning fifteen points by placing first in the shot put, the pole vault, and the running broad jump. The most spectacular performance of the evening was the six foot high jump mark made by Walsh of Loyola.

At the Bankers' track meet, Tech's medley relay team placed second in college competition.

Munch, Nelson, Setterberg, Hirsch, Oberbeck
A. Jens, Fox, James, Krause, C. Jens, Iverson

Alonzo A. Stagg, Jr	Coach
Harold L. Fox Frank M. James	Co-Captains
Fred T. Munch	Manager

INDOOR TRACK SCHEDULE 1931

February 13—Armour Informal Meet—Loyola 94, Armour 28, Sears-Roebuck Y. M. C. A. 24, U. of Chicago B team 15, Elmhurst 8, at Bartlett Gymnasium
February 21—Loyola 55, Armour 22, at Bartlett Gymnasium
February 27—Naperville 47 1/3, Loyola 45 1/3, Armour 14 1/3, at Naperville
March 19—Bankers' Relays at 124th Field Artillery Armory
March 21—Third Annual Armour Indoor Invitational Meet—Loyola 81, U. of Chicago 74, Lake Forest 40, Armour 34, Milwaukee Teachers College 23, Elmhurst 22, Chicago Normal College 10, Crane College 10, Beloit 2, at Bartlett Gymnasium.
March 27—Central Athletic Association Union Meet at Oak Park High School
March 28—Armour 53½, Sears-Roebuck Y. M. C. A. 26½, Chicago Normal College 16, at Bartlett Gymnasium

SUMMARY

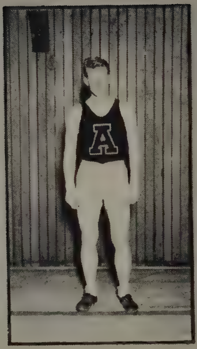
Meets won—1 Meets lost—4

OUTDOOR TRACK SCHEDULE 1931

April 14—Armour 89, Chicago Normal 36, at Ogden Field
April 18—Armour 71 2/3, Crane 50 1/3, at Ogden Field
April 28—Armour 73, Y. M. C. A. College 52, at Ogden Field
May 2—Second Annual Armour Outdoor Invitational Meet—Lake Forest 73, Milwaukee Teachers 70, Naperville 70, Loyola 60, Elmhurst 49, Armour 29, Wheaton 27, Thornton 17, Chicago Normal 11, U. of Chicago 4, Crane 4. Morton 4, Sears-Roebuck Y.M.C.A. 3, at Ogden Field.
May 13—Armour 33, Lake Forest 92, at Lake Forest
May 16—Milwaukee Teachers 90 1/3, Armour 33 1/3, Whitewater 33, Y. M. C. A. 7 1/3, at Milwaukee
May 23—Armour 54½, Sears-Roebuck Y. M. C. A. 36, Concordia 20, Wilson Y. M. C. A. 10½, Chicago Normal 9, at Sears-Roebuck Y. M. C. A.

SUMMARY

Meets won—4 Meets lost—3



C. Jens

Fox

James

The team was composed of Captain H. L. Fox, A. H. Jens, Captain James, and G. S. Nelson. First place was won by Loyola, while Lake Forest came in third.

The Third Annual Armour Invitational Meet, held March 21, at Bartlett Gymnasium, was won by Loyola with 81 points. The University of Chicago, with 74 points; Lake Forest, with 40 points; and Armour, with 34 points, placed second, third and fourth, respectively. Two meet records were broken and one relay record established in the two-thirds mile relay. One hundred and twenty athletes from eleven colleges competed.

Black of Chicago, running the 50 yard high hurdles in 6.6 seconds clipped 0.1 second from the old mark established by Thompson of Marquette the year before. The University of Chicago relay squad, Jontry, East, Ramsey, and Cameron, established a meet record of 2:13.2 for the two thirds mile relay. Loyola ran second and Armour, represented by Fox, Hirsch, Nelson, and A. J. Jens copped third place.

By winning first in the one mile run and second in the 880 yard run, O'Neill of Loyola, with 18 points was high point man of the meet. Captain James of Armour ran a thrilling race in the two mile run to defeat Murtaugh, of Loyola, in the last ten yards for second place. A. H. Jens took fourth in the 50 yard dash finals from an initial field of 21 starters. Captain Fox, Hirsch, Nelson,

Setterberg Clears the Bar

Setterberg

Iverson

Hirsch

and C. Jens placed in events which they entered.

Third place in the medley relay of the Central Athletic Association Union meet was won by Armour, and C. Jens, the only Armour individual to place, won third place in the shot put.

The last indoor meet of the season, at Bartlett Gymnasium, on March 28, was won by Armour with 53½ points, Sears-Roebuck Y. M. C. A. placing second, and Chicago Normal third, with 26½ and 16 points respectively. Seven of the nine first places were won by Tech, with George Nelson achieving the place of high point man with 13 points. Sademan won the one mile run; H. L. Fox, the 440-yard dash; Nelson, the 50-yard low hurdles and the 880-yard run; C. Jens heaved the shot the farthest, James copped the two-mile run, and the relay team, consisting of K. S. Hirsch, H. L. Fox, E. E. Sademan, and A. H. Jens, placed first.

Capturing twelve of fourteen first places, and 89 points against 36 points, Armour decisively won the first outdoor track meet, held April 14 at Ogden Field, against Chicago Normal. Armour scored in every event and slammed the half mile, shot put, javelin, and discus throw. Nelson, A. Jens, and C. Jens were high scorers.

Nelson scored first in both hurdle races, the half mile, and the broad jump, making a total of twenty points. As a result of placing first in two dashes, A. H. Jens was sec-

Nelson Is Close Pressed by Oberbeck

Helmick Sademan

ond with ten points. C. Jens gathered eight points with first in the shot put and second in the javelin throw. D. Manson also showed well with first in the discus throw and third in the shot put.

Captains Fox and James placed first in the 440 and one mile runs respectively. Cordes of Armour easily scored a first in the javelin with a toss of 128 feet. "Red" Cunningham showed nice form to take first in the pole vault.

Brefford, colored star, was best for Normal with 13 points, representing a first in the high jump, second in both hurdle races and third places in the 100 yard dash and the broad jump. Williams accounted for Normal's other first place flashing a strong last lap burst of speed to barely nose out Anderson who was competing for the first time under Armour colors.

Armour defeated Crane, 71 2/3 to 50 1/3, at Ogden Field, placing ten of fourteen firsts. George Nelson again starred by being high point man. Another outstanding performer was A. H. Jens, who placed first in the 100 and 220-yard dashes, and ran on the winning relay team.

For the third consecutive time Armour won an outdoor track meet, this time against Y. M. C. A. College, and the score was 73 to 52. Nelson won firsts in the low and high hurdles, broad jump, and high jump. James placed first in the mile and half mile runs; Captain Fox, the quarter mile; A. Jens, the 220-yard dash and tied for first in the 100-yard dash.

Lake Forest, with 73 points, won the Second Annual Armour Outdoor Invitational Track Meet, held May 2, at Ogden Field. The Milwaukee State Teachers and North Central College followed up closely with 70 points each. Seven new records were hung up, and one record equaled. The one mile run, 880-yard gallop, 220-yard dash, 220-yard low hurdles, high jump, discus throw, broad jump, and javelin throw records were assaulted successfully. Nelson broke the school records in the 220-yard low hurdles, setting up a new mark of 0:26.2, and A. Jens

The Finish of a Dash

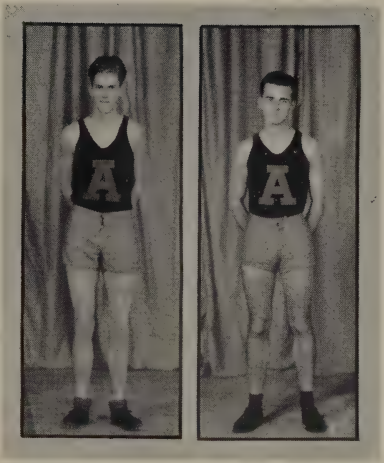
tied the school record for the 100-yard dash. They accounted for all of Armour's points.

Armour was swamped by Lake Forest, 92 to 33, in a meet held at Lake Forest. Nelson and James set records in the high jump and two mile run, respectively.

Milwaukee State Teachers won a quadrangular meet at Milwaukee, with Armour placing second. Whitewater and Y. M. C. A. Colleges finished third and fourth, respectively. Armour placed men in all the track events except the one mile run but showed exceptional weakness by placing in only four field events.

The track team won its fourth meet to end the 1931 season. Tech placed first in the Sears-Roebuck Y. M. C. A. meet with 54½ points, leading Sears-Roebuck Y. M. C. A. by some 18 points.

Members of the team deserve credit for winning against odds, for with classes until 5 o'clock and plenty of homework it isn't easy to journey to Bartlett Gymnasium for practice.



Nelson Oberbeck

TRACK STANDINGS 1931

	Total Indoor Points	*Total Outdoor Points*	*Grand Total*
Nelson	27 1/3	107 5/6	135 1/6
A. H. Jens	20	60¼	80¼
H. L. Fox	24¼	35	59¼
F. M. James	20¾	32	52¾
C. J. Jens	19	28	47
Hirsch	14	14¾	28¾
Sademan	10¾	18	28¾
Oberbeck	6	11	17
Hendricks	..	13	17
Setterberg	1½	10 2/3	12 1/6
Iverson	3	9	12
Manson	..	12	12
Cordes	..	10	10
Helmick	3¼	3	6¼
Krause	2	4	6
Cunningham	..	5	5
Luckett	4	..	4
Anderson	..	4	4
Barnett	2	2	4
Miran	..	3	3
Sorensen	1	1	2
Lind	..	1	1
Bachman	..	1	1
Totals	158 5/6	385½	544 1/3

Art Jens Breaks the Tape

INDOOR TRACK, 1932

The indoor track season opened February 13, the Tech trackmen meeting La Grange. Although only seven Armour men were present, the team defeated La Grange by the close score of 46 to 45. Nelson was high point man with 26¼ points.

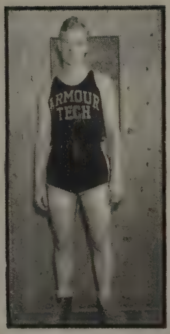
In a triangular meet with La Grange and the University of Chicago B team, Armour emerged victorious. By winning nine firsts and nine places Tech garnered 57½ points, while La Grange took 43½ and Chicago B trailed with 22. Nelson took high point honors, while Sademan and Lind ran fast races in the mile and 880 yard run respectively.

On February 27, Sears "Y" was defeated on its track by the fast stepping Armour squad. Tech amassed 42 points against its opponent's 23 points, even with the handicap of a 27 lap to the mile track.

The track team suffered its first defeat when North Central took the large end of a 62½ to 41½ score in a meet at Naperville. Several of the races were very close. In particular the relay put the crowd on its feet when, after the baton was dropped at the third transfer, Nelson regained almost all the lost distance, losing by less than a foot. Sademan, Lind, and Nelson were the only Armour men to score firsts.

Fox Goes Over at the Sears-Roebuck Y. M. C. A. Gym

BASKETBALL



Rossing

Krafft

Owen

BASKETBALL, 1931-32

Ending the 1931-32 season with nine victories and seven defeats, the Armour basketball team closed a successful year, with only one defeat on the home court and this by the fast Detroit City College quintet.

Forty-five men were prospects for the team, and although some good material was uncovered, no first-class guards were developed from the recruits, Coach Krafft being forced to experiment with various combinations well into the season.

The first game of the season, which opened on December 3, resulted in a victory of 44 to 25, Tech's opponents being the Alumni. Jennings and Ott starred for the Alumni in the forward positions and Hofer guarded well, but wasn't able to cope with the accurate shooting of Captain Rossing and Christoph. Both teams made points in the first half, but the Varsity squad was ahead, 28 to 10. In the second half, numerous substitutes were sent in for Tech and as the result the points made during the latter period were about even, Varsity collecting sixteen and Alumni fifteen.

In a practice game held the next day at the University of Chicago, Armour defeated the home team 27 to 19.

The next victim of the Tech basketeers was the American College of Physical Education, whose team was routed by the score of 35 to 21. It was a rough affair while it lasted, 29 personal fouls being called on the two teams. Tech, with accurate passing, fed the ball mainly to Christoph, who, with eight baskets and three free throws, made two less points than Tech's opponents.

It was mainly due to Christoph's basket shooting that Armour gained a six point lead in the first half. Blackmore starred for the Physical Ed. Boys, sinking one basket and four free throws. Robin and Rossing for Armour and Selhan and Wiotow for Physical Ed. added points to make the score at the end of the first period 16 to 10. The second half saw baskets made in rapid succession by Setterberg, Beemsterboer, Rummel, Christoph, and Robin. Bol and Sherry scored for the opponents and then Christoph came back with several buckets in succession. The final

Rummel, McLennan, Christoph, Setterberg, V. Omiecinski, Krafft
Carlson, Robin, Beemsterboer, Ilg, Rossing, Lukas

BASKETBALL 1931-1932

William C. Krafft . . . . Coach
Harvey C. Rossing . . . . Captain
John C. Owen . . . . Manager
Irving C. Johnson . . . . Assistant Manager

SCHEDULE

December 1—Armour 44, Alumni 25, at Armour
December 2—Armour 28, University of Chicago (B squad) 19, at Bartlett Gymnasium
December 10—Armour 35, American College of Physical Education 21, at Armour
December 15—Armour 22, North Central 27, at Naperville
December 17—Armour 38, Crane 23, at Armour
January 6—Armour 27, De Kalb 30, at De Kalb (2 overtimes)
January 12—Armour 31, Y. M. C. A. 29, at Armour
January 16—Armour 22, Augustana 25, at Rock Island
January 21—Armour 42, Wheaton 40, at Armour
January 22—Armour 23, Detroit City College 29, at Armour
February 6—Armour 19, Michigan State Normal 27, at Ypsilanti
February 8—Armour 30, Detroit City College 49, at Detroit
February 13—Armour 25, Y. M. C. A. 22, at Y. M. C. A.
February 17—Armour 24, Crane 27, at Crane
February 19—Armour 22, Augustana 16, at Armour
February 25—Armour 26, Michigan State Normal 23, at Armour

SUMMARY

Won—9 games
Lost —7 games

Setterberg Robin Lukas

score showed a 35 to 21 victory for Tech.

The first defeat was suffered at the hands of North Central at the Naperville school, the hard-fought contest ending in a 27 to 22 score. Although trailing by only one point at the end of the half, Tech was left behind during the second half. Two days later, on December 17, the Armour basketeers overwhelmed Crane College, 38 to 23. Tech took the lead early in the game, and was never headed, each member of the first team contributing at least four points with all the players participating.

Captain Rossing tossed four baskets and a free throw, Ilg sank four field goals, and Setterberg and Christoph added six points each. Captain Maloskie and Kraus starred for Crane, each scoring six points.

In the roughest game of the season, De Kalb defeated Armour after two overtimes had been played. Eleven personal fouls were called on each team, and more should have been. Armour was behind until the last few seconds of play, when Setterberg tied the score with a long shot. Each team scored a basket in the first overtime, but De Kalb scored two baskets to Tech's free throw in the second overtime, winning the game, 30 to 27.

The fourth home victory of Armour was

Setterberg Sinks a Free Throw

Rummel V. Omiecinski Christoph

at the expense of Y. M. C. A. College. It was an exciting game, with the score tied repeatedly, and was a result of the Tech cagers being in poor form, as they should have scored more than the 31 to 29 result. The Tech team presented a well balanced squad as evidenced by the fact that every member who played broke into the scoring column. Christoph came through with ten points to lead the team in scoring.

Chicago "Y" College depended on its star forwards for their scoring, feeding the ball to Sprowles and Chater, the former sinking five baskets and four free throws, and the latter connecting with the basket five times also.

Continuing in below par form, the Armour quintet was defeated by Augustana, 25 to 22, at Rock Island, on January 6. Although Tech had a large lead in the first half, they lost it in the last three minutes of play. Robin and Rossing starred for Armour.

On January 21, by a score of 42 to 40, Armour defeated Wheaton in a spirited game which had the spectators on the edges of their seats. Armour had the lead most of the first half, but in the second half Wheaton was ahead by four points long enough to give some anxious minutes to Armour rooters. Christoph, Beemsterboer and Rossing starred for the Krafftsmen, each sinking four baskets; Christoph also connected for a gratis

Hard Fought Scrimmage Between Armour and Detroit

Carlson

MacLennan

toss. The outstanding player for Wheaton was Ecans, a forward, who sank seven baskets and three free throws for 17 points.

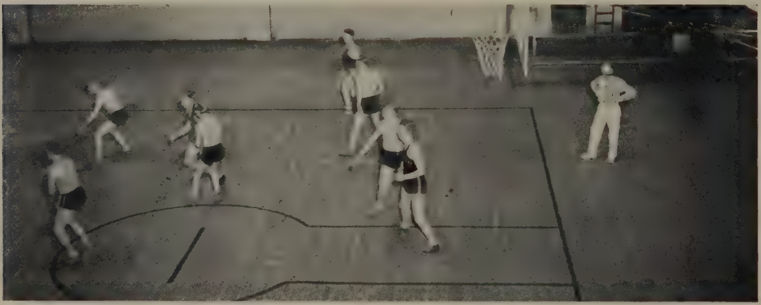
The battle opened with Tech immediately gaining a four point lead but at the quarter Wheaton almost evened the count, failing by only one basket. Then the lead see-sawed back and forth, Armour coming out ahead at the half by a 15 to 14 score. In the second half Armour lost the lead once but regained it almost immediately. In the last few seconds of play Armour had its narrow lead almost wiped out as a Wheaton man sank a basket as the whistle blew, the final score being 42 to 40.

The following day Tech's cagers had their first home defeat, which was administered to them by the flashy and powerful Detroit City College quintet. Only two Detroiters scored, but it was enough to net them a 29 to 23 victory.

In a practice game, not on the schedule, Armour defeated Chicago Apprentice School, 40 to 26, on February 4. Two days later the team lost a hard fought game, 19 to 27, to Michigan State Normal at Ypsilanti, the score not indicating the closeness of the affair. Several days after that, Detroit City College won a poorly played game, 49 to 30, with Cornell starring for the Detroit team. The Tech guards were unable to stop the flashy forwards of the opposing team.

Playing as a unit, and close pressed by their opponents throughout the game, the Armour cagers won 25 to 22 from "Y" College on February 13. The two teams were seldom more than a few points apart, the game not being decided until the last minute of play.

The next Wednesday, Crane defeated Armour, 27 to 24, in a contest which should have been won by Tech, but due to a bad slump in form Crane retaliated for a 23 to 38 defeat earlier in the season. Two days later the team had recovered from its slump enough to avenge a previous loss at the hands of Augustana. This time the Augustana team was sent home with a 22 to 16 defeat. The



A Tense Moment For the Defense

team showed better form than that of the previous game, and Rossing, with two baskets and a like number of free throws; Beemsterboer, with two baskets and a free toss; and Setterberg, with one basket and five gift tosses, were the principal Tech scorers. Schroeder, an Augustana player, starred for his team by making four baskets and two free throws for a total of ten points.

In the final game of the season, the Krafftsmen won an exciting game from Michigan State Normal. Armour had an appreciable lead early in the game, and successfully fought a rally of the Teachers which nearly reached its goal. Their attempt fell short of the mark by a 26 to 23 score in favor of Armour.

Four men played their last game for Armour. Captain Rossing, Robin, Setterberg, and Carlson will be lost from the next year's squad. Rossing ended four years of play with 323 points to his credit. Christoph, a sophomore, was high point man for the season, collecting a total of 98 points.

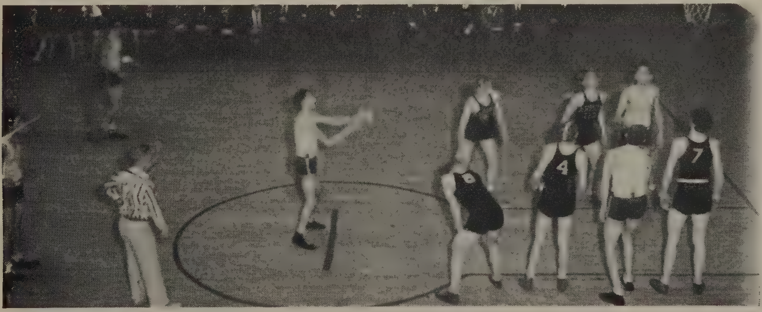
The loss of these men will be keenly felt when Coach Krafft calls for candidates for 1932-33 births on his basketball team. Their inspiration and guidance went far towards making the team the powerful machine it was. With Captain-elect Beemsterboer to build a new team around the prospects for next year look bright.

Beemsterboer Ilg

1932 BASKET BALL SCORING

	*B.	F.T.	T.
Christoph	42	14	98
Rossing	32	14	78
Beemsterboer	23	17	63
Robin	21	11	53
Setterberg	22	9	53
Ilg	16	7	39
Carlson	9	2	20
Rummel	0	2	2
MacLennan	0	0	0
Lukas	0	0	0

*B., baskets; F.T., free throws; T., total. These figures are based on a total of 15 games. The University of Chicago scrimmage is not included.



Did He Make It?

C. J. Robin

CLARENCE J. ROBIN

Student in the Department of Civil Engineering

This page is a special acknowledgment of the enviable record achieved by Clarence J. Robin. If the system of rating used as a basis in the awarding of Honor Cycles had been used in his case, he would undoubtedly have received award number one. In previous years, there has been no precedent established as to the manner in which the problem of a five-year senior should be handled in the awarding of Honor Cycles. The Board of Athletic Control, which acts as an awarding body, has felt that it is an injustice to the members of a senior class to give an award for general activity to a man who is not a member of their class and who has not been in actual competition with men in their class. This year it has been decided to make particular mention of this man's record in the Cycle, rather than award him one of the Honor Cycle Awards.

Clarence J. Robin is surely one of the most outstanding men ever graduated from Armour Institute. He was an excellent student, a member of both Tau Beta Pi and Chi Epsilon, being president of Chi Epsilon. He was a member of the Varsity basketball squad for four years, holding the captaincy during his third year of competition. He was regular first-baseman on the baseball team for four years, being elected captain during his fourth year. In all, he received seven major letters, two of them captain's letters, and one minor letter. He was a member of the Honor "A" society; president for one year. He was also active in the affairs of the civil engineering department, being an officer in the Armour branch of the Western Society of Engineers. His career at the Institute was so well rounded that it speaks well for his future success in the field of engineering.

MINOR SPORTS

Eddy

Colvert

Krause

TENNIS, 1931

The Armour tennis team, captained by Eddy and coached by Professor W. W. Colvert, ended the season with one victory, one tie, and five defeats. The team was composed of Captain R. Eddy, R. Timmermans, W. Schirmer, H. Hendricks, W. Graham, S. Cone, L. Streb, and F. Paine. R. Krauss was manager.

The first meet, on April 27, resulted in a defeat by Valparaiso, 6 to 3, at Valparaiso. The matches were hard fought, but the steadier playing of Valparaiso netted them the victory.

Notre Dame, at their home courts, defeated the Tech netmen, 5 to 2, on May 12. Eddy and Streb won their singles matches for Armour's points. Three days later Tech was defeated by Loyola in a closely fought match, the final score favoring the northsiders, 4 to 3. Timmermans and Schirmer were the Armour victors, winning both singles and doubles.

May 18 saw the Armour team defeat Lake Forest College, 4 to 3, at the Armour courts. Schirmer and Timmermans won their doubles, and Streb and Paine won their singles.

In two successive matches, Armour lost by close scores. Valparaiso won, 5 to 4, on May 20, and on May 23 Loyola won 4 to 3.

The last game of the season was a 3 to 3 tie between Armour and Lake Forest, played May 27, at Lake Forest.

Paine and Streb, a Pair hard to Beat

Streb, Schirmer, Eddy, Timmermans, Lind, Paine, Krause

William W. Colvert	Coach
Richard Ray Eddy	Captain
Robert M. Krause	Manager

TENNIS SCHEDULE 1931

April 27—Armour 3, Valparaiso 6, at Valparaiso
May 12—Armour 2, Notre Dame 5, at Notre Dame
May 15—Armour 3, Loyola 4, at Armour
May 18—Armour 4, Lake Forest 3, at Armour
May 20—Armour 4, Valparaiso 5, at Armour
May 23—Armour 3, Loyola 4, at Armour
May 27—Armour 3, Lake Forest 3, at Lake Forest

SUMMARY

Matches won—1
Matches tied—1
Matches lost—5

Eddy Winning His Match Against Lake Forest

Weis

Leigh

Meagher

GOLF, 1931

The golf team had a hard year in 1931, winning two of nine games. The school tournament, held on April 11, brought out the aspirants for the team, and over slow greens Ollison won with a score of 180. Pearson, with 11 points, was high scorer of the season. Other members of the team were Johannisson, Weldon, Ollison, Wyant, Weis, and Alexander. Professor C. W. Leigh, as coach, held the boys to the fine caliber of playing he expected of them.

Captain-Elect
Pearson

On April 18 the team defeated the Alumni, 8 to 7, at Evergreen Golf Course, proving the old adage that youth prevails in sports.

Loyola, with a strong team, defeated Armour, 18 to 0, in the second meet of the season.

Leigh's putters beat the Faculty, 30 to 9, at the Evergreen course, May 2, in its second victory of the season.

On the eighth of May, Valparaiso emerged victorious, 11 to 7, and the next day Loyola won, 16 to 2, against Armour.

A close match was lost, 8½ to 9½, in a meet with St. John's, and two days later the team journeyed to Valparaiso, coming back with the short end of a 15½ to 2½ score. The following day Crane met and defeated Tech, 10½ to 7.

The last meet of the season was lost to St. John's with the same score as before, 8½ to 9½. It was held May 23 at Toledo, Ohio.

D. Pearson, Johannisson, Weis, Meagher
Ollison, Wyant, Weldon

Charles W. Leigh	Coach
Henry B. Weis	Captain
Richard E. Meagher	Manager

GOLF SCHEDULE 1931

April 11—School Tournament.
April 18—Armour 8, Alumni 7, at Evergreen Golf Course
April 25—Armour 0, Loyola, 18, at Evergreen Golf Course
May 2—Armour 30, Faculty 9, at Evergreen Golf Course
May 8—Armour 7, Valparaiso 11, at Evergreen Golf Course
May 9—Armour 2, Loyola 16, at Evergreen Golf Course
May 13—Armour 8½, St. John 9½, at Evergreen Golf Course
May 15—Armour 2½, Valparaiso 15½, at Valparaiso
May 16—Armour 7, Crane 10½, at Evergreen Golf Course
May 23—Armour 8½, St. John 9½, at Toledo

SUMMARY

Matches won—2
Matches lost—7

S. Johannisson

Weston

McGillivray

Dirkers

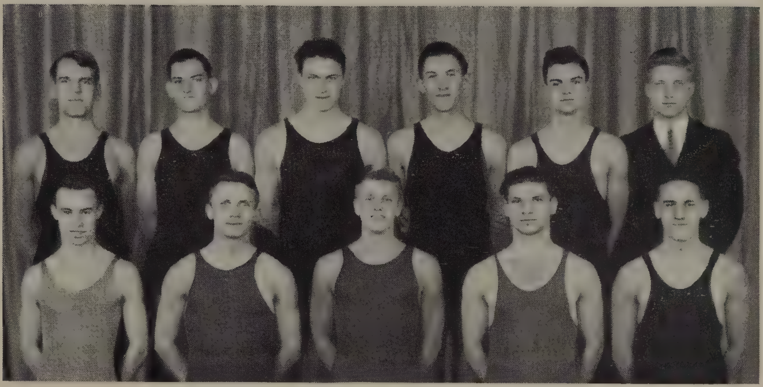
SWIMMING, 1932

By winning five of eight meets, the swimming team registered a very successful 1932 season. The season was begun with two successive victories. On January 14, Armour defeated Crane, 40 to 35, at the latter's pool, and the next week Chicago Normal was met and swamped by a 54 to 12 score. In the latter meet, Armour took all first and second places.

The first setback was received by the Tech tankmen when they lost a close meet with Crane, 37 to 38. A week later a 48 to 27 score was piled up against Morton at the University of Chicago pool, although two Tech men were absent. High point men were Weston and Carlstrom, with ten and nine points respectively.

DePauw defeated Armour, 46 to 29, in the second defeat of the season. Illinois Wesleyan was conquered by a 39 to 35 score, but DePauw again succeeded in beating Tech, this time by a 45 to 30 score. In the final meet of the season, the Armour splash artists again won a meet with Morton, the score being 42 to 33.

Carlstrom
Leads
Against
Morton



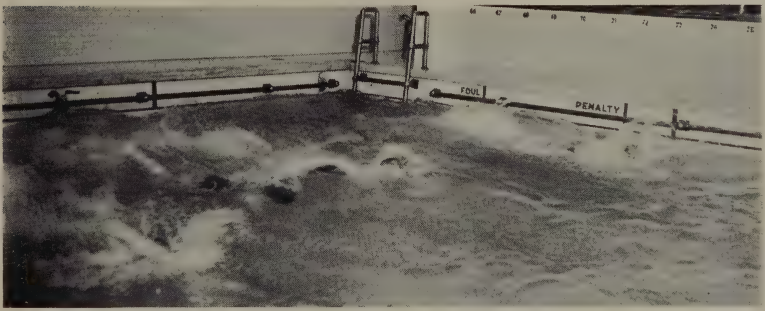
Weston, Davison, Carlstrom, Bernstein, J. Ahern, Dirkers
Cavanagh, Robeson, Kolve, Jung, Giovan

E. Wallace McGillivray	Coach
Andrew H. Weston	Captain
Jerome B. Dirkers	Manager

SCHEDULE

January 14—Armour 40, Crane 35, at Crane
January 19—Armour 54, Chicago Normal 12, at Chicago Normal
February 2—Armour 37, Crane 38, at Armour
February 6—Armour 48, Morton 27, at Armour
February 19—Armour 29, DePauw 43, at Armour
February 26—Armour 40, Illinois Wesleyan 35, at Bloomington, Ill.
March 4—Armour 30, DePauw 45, at Greencastle, Ind.
March 12—Armour 42, Morton 33, at Morton

Won—5 meets
Lost—3 meets



A Close Race Against De Pauw

Sandstrom

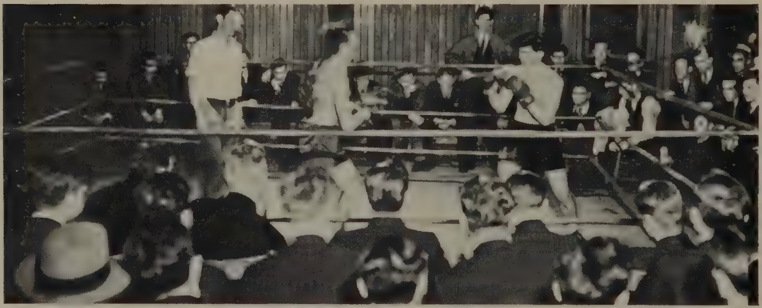
Weissman

Ustryski

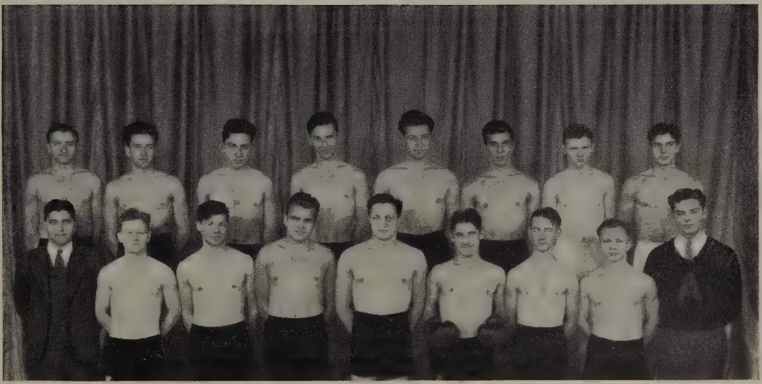
BOXING, 1932

The boxing season opened January 13 with a meet against the 124th Field Artillery team at its armory. The defeat of the soldier team, 8 to 4, by the Tech pugilists was viewed by 10,000 boxing fans. The winning team was awarded a shield. The second meet of the season ended in a tie, 3 to 3, with South Chicago Y.M.C.A. Campione, Behmer, and Sandstrom won their bouts for Armour, the other matches being lost by close decisions.

Before one of the largest crowds that have witnessed a boxing meet at the Tech gym, Armour's fighters lost their return battle with South Chicago "Y", on February 5, by a score of 3 to 2. Two weeks later the Tech boxers beat Valparaiso, 3 to 2, at Armour. The next victim was the St. Viator squad, which lost four of the five matches. On March 11, the St. Viator squad turned the tables on the Tech pugilists, defeating them 4 to 1.



Heckmiller Winning Against Brown of St. Viator



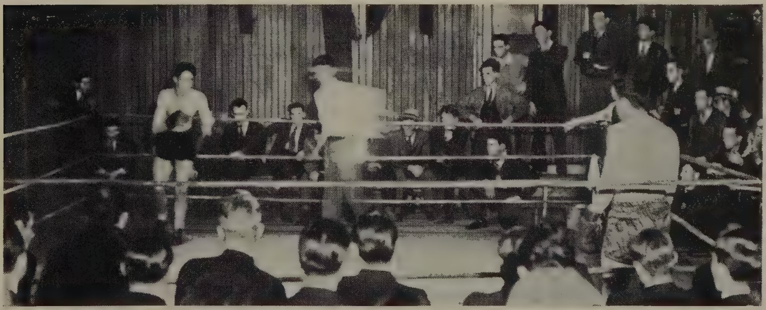
Schmidt, Marcus, Milevsky, McDonald, Hoffberg, Bacci, Suman, Schmidt
Weissman, Behmer, Heckmiller, Roesch, Campione, Sandstrom, Donnelly, Core, Ustryski

B. Weissman	Coach
Warren A. Sandstrom	Captain
Frank A. Ustryski	Manager

SCHEDULE

January 13—Armour 8, 124th Field Artillery 4, at 124th Armory
January 23—Armour 3, South Chicago Y.M.C.A. 3, at South Chicago
February 5—Armour 2, South Chicago Y.M.C.A. 3, at Armour
February 18—Armour 3, Valparaiso 2, at Armour
February 26—Armour 4, St. Viator 1, at Armour
March 11—Armour 1, St. Viator 4, at St. Viator.
March 19—Armour 4½, Culver 3½, at Culver

A Battle Royal for Lukas Also St. Viator



The Champion Sophomore Basketball Team

INTERCLASS ATHLETICS

The opening of the school year found each class preparing for the interclass baseball games. The senior-junior game was decidedly in favor of the senior team who won handily, the score being 9-5. Last year's champions, the present sophomores, outhit and outplayed the freshmen as their score of 9-0 indicates.

The final game was a grudge match. The present seniors had been defeated by the present sophomores in the championship game last year. This year the game was well played as superb pitching and fielding was exhibited by both teams. However, the seniors finally won the school championship by the score of 3-1 thus avenging last year's ignomious defeat and thereby evening the score.

Presently basketball started in full swing. In this event the seniors defeated the juniors and the sophomores trounced the freshmen. The old rivals met in the final game. The sophomores more than avenged their defeat in baseball by thoroughly outplaying the seniors and the end of the game found the senior team at the low end of a 31-13 score.

Rolling up a total of 35¾ points, the seniors won the annual interclass track meet, which was held February 13, at the new University of Chicago fieldhouse. The juniors followed with 22¼ points, while the freshmen and sophomores trailed with 13 and 8 points respectively.

*The
Victorious
Senior
Baseball
Team*

Triangle Interfraternity Track Champions

INTERFRATERNITY ATHLETICS

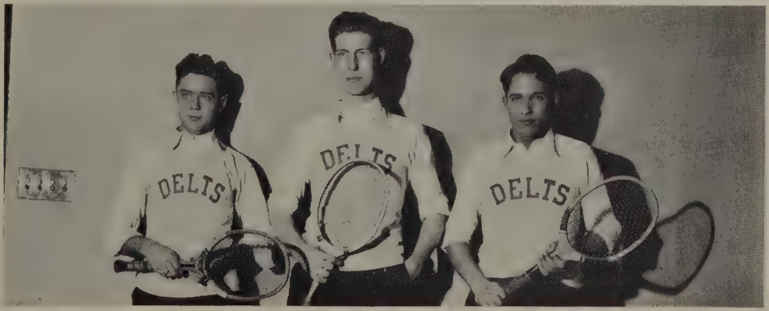
The fraternity life at Armour is so closely linked because of the athletic activities the fraternities have in common. Fine sportsmanship exists as the contestants in the various branches of athletic competition do their very best for the glory of their fraternity.

The outstanding team in athletics was Phi Pi Phi by reason of their victories in baseball and basketball. Every fraternity on the campus tried their hardest to upset the Phi Pi Phi's in basketball but they came through again adding one more championship to their string of basketball victories. Much credit is due the Beta Psi team because in the final game they pressed the victors, putting up an excellent scrap. Probably no finer sportsmanship and greater effort can be found than that displayed on the basketball court by the various fraternities.

The annual Interfraternity Track meet is the event of Junior Week. After the dust stirred up by the tracksters had settled, it was known that the Triangle group were the victors, having a total of 46½ points. Close at Triangle's heels was Beta Psi with 41 points. Third place went to Sigma Kappa Delta.

Tennis and golf are the minor sports of the interfraternity competition. Delta Tau Delta, with the marvelous ability of both Streb and Cone, finished the tennis tournament in first place.

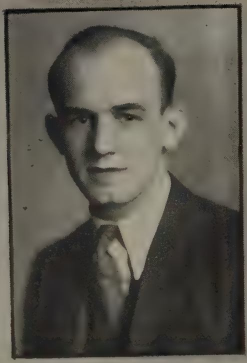
The Delt Tennis Team—Beal, Cone, Streb



Great souls by instinct to each other turn,
Demand alliance, and in friendship burn.

PUBLICATIONS

G. W. Schodde



O. W. Staib

THE CYCLE, 1932

Some said, John, print it, others said, Not so;
Some said, It might do good, others said, No.

Many such problems as this confront one who plans and visualizes the making and editing of a year book. The portrayal of this college year has been a task we have loved.

Could I but picture the work that is play, the joy of planning, the thrill of accomplishment, the ecstasy that may be had over a picture well taken, that is all yours in work of this nature.

Possibly inspired by Byron's words, " 'Tis pleasant, sure, to see one's name in print; a book's a book, although there's nothing in't," we have endeavored to present everyone as often as possible. To further this end the number of cuts was nearly doubled and the literature reduced to a minimum. All group pictures were taken indoors so as to present the finest selection of group pictures attainable.

Many factors have contributed to the publishing of this volume and the Cycle staff wishes to thank Mr. E. V. Linden and Mr. Patterson for their wonderful professional and personal services they gave us.

To Professor Hofmeester and the senior architects the staff wishes to express their appreciation for the splendid cooperation they gave in designing the clay tablets used on the division pages. We are indebted to David Chapman, former art director of the Cycle, for designing and modeling the border plates.

We are grateful for the splendid cooperation the Faculty Committee gave us and to the many assistant editors and contributors who gave so willingly of their time and effort that we might present the best book possible and come out on time.

So our task is done. It awaits your criticism or approval; but Pray thee, take care, that tak'st my book in hand. To read it well; that is to understand.

Becker, Miller, Lange, Sorensen
Luckett, Larson, Simons

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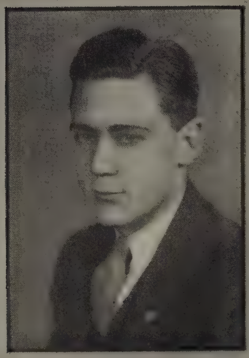

M. R. Beal

A. R. Viel

THE ARMOUR ENGINEER

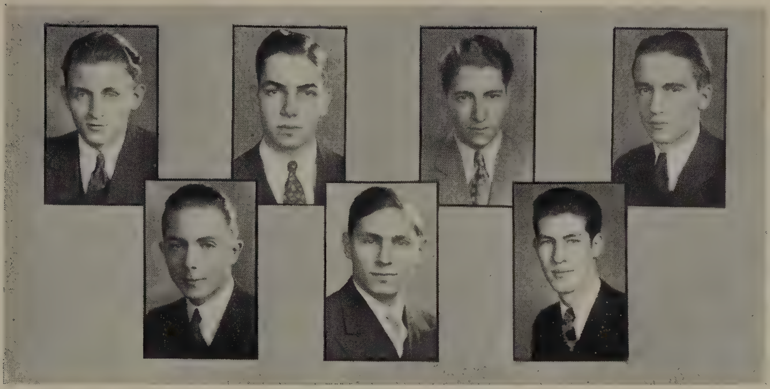
The *Armour Engineer* for the past twenty-three years has been the official technical publication of the Institute. Slowly but assuredly it has progressed from a small and comparatively unimportant organ to its present status which now finds it as one of the leading technical publications in the schools of the country. Only due to the untiring effort expended by men in the past has the *Engineer* been able to attain its present position among the publications at Armour as well as among similar magazines in other institutions.

The history of the *Engineer,* as any history, has been marked with its problems of organization, finances, control, and hundreds of less important worries, all of which upon being solved have tended toward a stronger and better publication.

Articles in the *Engineer* have been, for the greater part, student articles, although such writing is not limited to students. Many are published which are intended to be of general interest to all regardless of the profession they are preparing themselves for. From time to time, articles are featured by graduate engineers who are specialists in their line of work and are able to give a treatise on a definite subject which conveys that something which a student article cannot—knowledge from actual contact with, and experience in, the engineering field.

Not only is the *Engineer* a student publication but in recent years it has come to be the official organ of the alumni of the Institute. One section of each issue is devoted entirely to current news of the Armour alumni, thus being of interest to the alumni and at the same time bringing them in closer touch with the school and its activities.

The *Armour Engineer* is a member of the Engineering College Magazines Associated, a group of twenty-five engineering college publications organized for the furtherance of, and the standardization of, major engineering magazines.



Lange, Kreisman, Fagen, Gibian
Schodde, Holland, Cone

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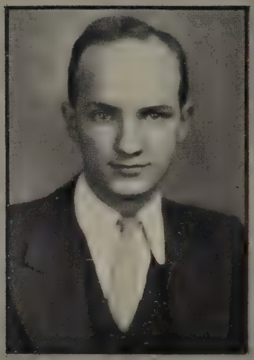

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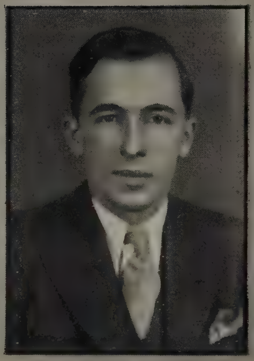


J. J. Casey

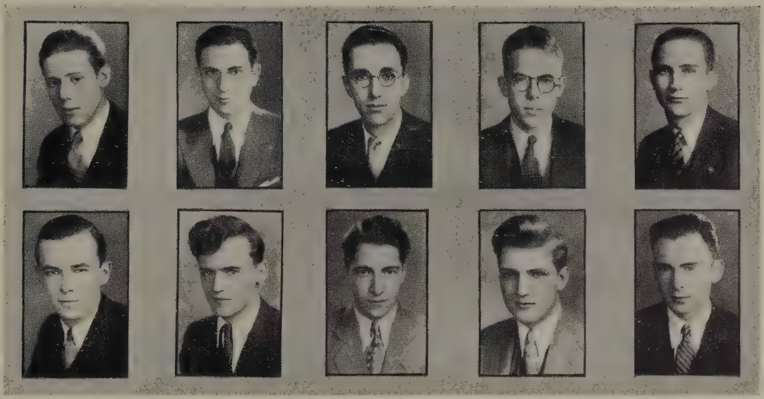
THE ARMOUR TECH NEWS

The work involved in the production of the *Armour Tech News* is one of the most interesting types of activity to be found at Armour. The task of publishing one issue each week of the college year presents conditions and problems that are different from those encountered by any other activity in school and that must be met and solved individually. Such work cannot fail to be interesting.

Four years ago a great deal of force was necessary to start the *News,* for the problems of putting out a paper at all, much less a weekly one, were many. There was a general feeling that such a thing could not be done. Putting out those first few issues in the spring of 1928 must have been hard work but, also, it must have been pleasant for the men of that first staff to see their adventure prove successful.

From that time to this, there have been problems to be solved by the staff of the *News.* There have been questions of editorial policy, of distribution, and of finance. The solution of such problems is but one of the many phases in the work of the *Armour Tech News.*

Because of the nature of its position as collector and distributor of information, the student newspaper of any school is at the center of campus life. At Armour all the school news comes to the offices of the *Armour Tech News.* There it is written in proper form and then given to the student body through the next issue of the *News.* That such work is enjoyable will be asserted by those who have tried it. There is a fascination to it that holds men as long as they are in school.



Bonvallett, Barnett, Schinke, Juvinall, Collick
McCall, Richter, Fagen, Dirkers, Carlton

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Peebles, Paul, Finnegan

THE FACULTY COMMITTEE

Professor Charles E. Paul
Professor James C. Peebles
Professor Joseph B. Finnegan

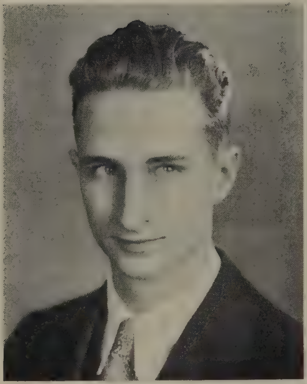
ON THE FACULTY COMMITTEE

Embryo engineers, reticent editors, amateur artists are the combinations that form the material from which the publications at Armour make their nucleus. With such a background it is altogether fitting and proper that there should be a guiding hand furnished by the Institute for the protection of both. Literary sharpshooters so to speak.

The benefit derived from these men, the stimulus, the encouragement, the sound reasoning and logic that they have been and are able to give to the many fine points of putting out a publication can only be appreciated by those who have the pleasure of working with them.

The men working on the staffs, the school, the student body are truly grateful for the unceasing efforts made by the Faculty Committee for the advancement of the Cycle, the Engineer and the Armour Tech News. Gentlemen, we thank you.

ENGINEERING SOCIETIES



H. R. Davis

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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C. Newton Cannon	Vice-President
James S. McCall	Treasurer
Alexander Bogot	Secretary
Professor James C. Peebles	Honorary Chairman

During the past year, the Armour Branch of the American Society of Mechanical Engineers has been particularly successful in attaining the purposes of its foundation, namely, the offering of an opportunity for students in the department of mechanical engineering to make intimate contacts with men in the profession, and the promotion of a feeling of good fellowship and comradeship among the members of the society. The continuation of bi-monthly meetings did much to maintain the interest of the student body in the organization and its meetings, and the hearty cooperation of several members of the faculty is in no small part responsible for the success attained by the society.

The society has been fortunate in having an abundance of material to choose from for subjects, and many men prominent in the field of mechanical engineering are at hand who are willing to address the student body.

The first meeting of the year had a large attendance, and forecast an unusually successful year. The speaker was Professor Peebles, the text of his talk being the hypothetical progress of an Armour Institute graduate. He traced the course of a man who starts in the drafting room and gradually works his way up through the shop and sales divisions until he attains that degree of advancement which his ability warrants. Professor Peebles warned against becoming too technical to understand other phases of the field which are equally important. This type of attitude is highly detrimental to successful engineering practice, because the engineer must recognize the value of nontechnical elements of his life's work when he encounters them and deal with them in an intelligent fashion.

On November 6, Professor Peebles spoke at a meeting of the American Society of Mechanical Engineers on the subject of "Heat

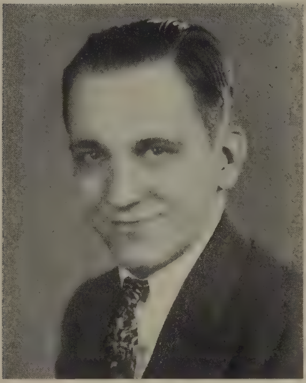
Sandberg, Bogot, Simons, Marks, Christensen, Erisman, Belton, Nelson, Dufour, Lencki, Bengtson,
Staron, Schramm, Walker, Cannon
Waindle, Chun, De Orio, Longwell, Hoffman, Monger, Zvonecek, Johnson, Dickey, Moravec,
Buehne, Winbolt, Wieland, Hess, Graham
Davis, Wandrey, Campione, Cannell, Fuhrer, Pihl, Whiteoski, Beattie, Newton, Willard, Hawes,
Leichtenberg, Clucas, Hostetter
Cornwell, Roesch, Davies, Libby, Peebles, Gebhardt, Nachman, Otto, McCall, Clear, Grundstrom, Meehan, Seiferth

Insulation." He confined his discussion to the various forms of dwelling house insulation. The common form of frame or brick construction of walls and the cheap method of adding insulation which weakens the structural design of the walls was discussed. The three forms of insulation on the market, the board form, the blanket type, and fills, were described and reviewed by Professor Peebles in an interesting lecture. He indicated future methods of insulation which might be used, such as the all-metal or foil type. Aluminum foil has been extensively used for the transportation of volatile oils for years, but its development for domestic use has never been attempted as yet.

The members of the society were fortunate in hearing a lecture delivered by Mr. Richard Boonstra on the subject of "Engineering in Agriculture," at a meeting of the society held on November 20. Mr. Boonstra, the agricultural engineer of the Public Service Company of Northern Illinois, contrasted the old-time methods of the farm with the newest developments. The plow is an excellent example of the progress made by the engineer in the design of farm implements.

In order to establish a closer relationship between students in the department of mechanical engineering, two smokers were held during the past year. The contacts between the students and the faculty were made more friendly through these semi-annual smokers.

The climax of the year's activities came with the joint banquet of the Armour branch and the professional chapter. This annual event provides an opportunity for the students to make the acquaintance of men established in their profession. To the seniors especially this banquet is one of the most important phases of the school year.



W. L. Jost

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

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George L. Bonvallet	Treasurer
Professor Ernest H. Freeman	Counselor

The Armour Branch of the American Institute of Electrical Engineers this year has instituted a novel program in that the moving picture film has been used to inform its members of the latest advancements in the field of electrical engineering in connection with many interesting and well-known speakers on subjects of interest to electrical engineers.

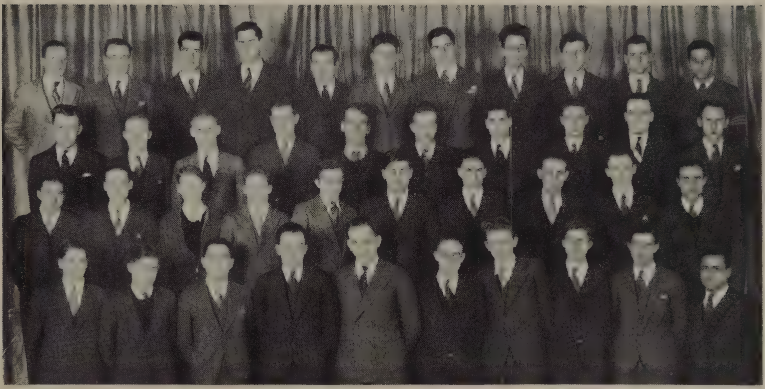
Meetings have been held every other Friday and through the efforts of the "Meetings" chairman, every meeting has been a pronounced success.

On October 23, the first meeting of the year, Mr. C. E. Ludwigson, of the sales division of General Electric Company, spoke on "Electron Tubes in Industry." In his talk, Mr. Ludwigson revealed many unsuspected applications of these tubes in every field.

On November 6, Mr. Sjoberg, training supervisor of the American Telegraph and Telephone Company, spoke on the Telephoto System that is at present incorporated in the American Telegraph and Telephone System. This lecture was clearly illustrated with slides that explained the engineering problems that had been met and overcome and the many applications that the system has found in the commercial world with its rapidity of transmission of facsimiles and pictures of all descriptions.

On January 22, Mr. Glenn, Assistant District Engineer for the General Electric Company, gave an address on "Mercury Arc Rectifiers and Their Field of Usefulness," which gave an insight into the operation of this modern rectifier and the rapid expansion in the commercial use of these machines.

E. C. Chilberg, of the Chicago General Electric Company Engineering Department, was the speaker at a meeting held on February 19. His topic, "Building Network," considered the care and protection required to insure constant electrical service in large buildings where the continuity of service is absolutely essential.

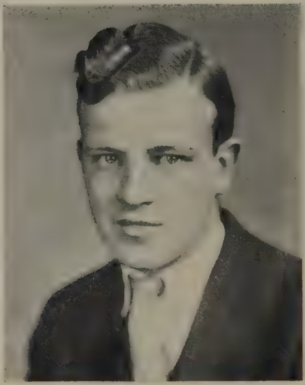


Bronwell, Priban, Snelling, Eberth, Rychlik, Stocklin, Nobel, Schinke, Minnick, Krahl, Demikis
Lane, Dumser, Beale, Wilson, Weston, Meuret, Hamlin, Reber, Hulswit, Richter
Pearson, Breh, Reardon, Hirsch, Kaiser, Schwennesen, Gess, Abendroth, Carlton, Miccucio
Fagen, Sandstrom, Sanchez, Fry, Jost, Juvinall, Lange, Dunham, Rowe, Di Orio

On March 4, the chapter again had the privilege of listening to Mr. Herman Halperin of the Commonwealth Edison Company. His topic, "Underground Cables," was thoroughly enjoyed by all those present. His address covered the types of underground cables now in use, and the advantages which they possess over the types formerly used. An excellent description of the use of oil filled cables was given.

For the rest of the school year films loaned us by the General Electric Company on semitechnical and technical subjects such as the "The Electric Ship," which depicted a trip from New York to San Francisco and showed the workings of the electric drive on a seagoing vessel; "The Operation of an Automatic Railway Substation," which showed the operation and control of a substation through the actual load on the station, and the other was a three reel series giving an insight into the operation of Induction Regulators and the electric process of applying Vitreous Enameling. Nearly all of these films were interspersed with animated diagrams clearly showing the action and the operation of all the modern machinery involved.

The annual fall smoker was held on December 9 at the Phi Kappa Sigma house. This function afforded a real opportunity to forget the cares of the classroom, relax, and really get acquainted with the other students of the department and even the professors seemed to enjoy themselves at the bridge tables, giving the students some real competition in this game of brains. For entertainment, Andy Weston and his orchestra played. The evening was climaxed by the appearance of refreshments, enough to satisfy the most ravenous appetite among the embryo engineers, which ended a most enjoyable evening for all.



H. C. Rossing

WESTERN SOCIETY OF ENGINEERS

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Edward J. Wiltrakis	Secretary
Edward L. Byanskas	Secretary
Wilbur H. Rudolf	Treasurer
Harold S. Nelson	Student Representative

The Armour Branch of the Western Society of Engineers, founded in 1919 for the purpose of bringing the students of civil engineering into closer contact with men actually engaged in that profession, feels that this year has brought about even more clearly than ever before the realization of that purpose. An effort has been made to stimulate an active feeling of unity between the students and professional men.

Only topics which were of primary importance and of assured interest were chosen for the bi-monthly meetings, and as a result the attendance has been unusually large. Men of prominence in the field of civil engineering were invited to address the students on topics they specialized in. The cooperation of the professional branch has been invaluable in providing aid in arranging inspection trips and in getting speakers. The students are invited by the professional chapter to make use of its excellent engineering library. The rooms of the parent society are also offered to the Armour chapter for its smokers.

On October 9, the senior members steamed off on the year's first inspection trip sponsored by the Western Society of Engineers. The objective of the tour was a grain elevator located at 117th Street and Torrence Avenue, and a general survey of the Calumet Harbor project. Members of the society gathered at the Michigan Avenue Bridge where a boat was waiting to transport them to the Calumet district. An hour was spent in inspecting the elevator.

At an open meeting of the Western Society of Engineers, held on October 16, Mr. Clarence W. Farrier gave a very interesting speech on "Engineering Aspects of the World's Fair." The speaker graduated from Armour in 1916, and is now president of the Chicago Chapter of the American Institute of Architects and also Assistant Director of Works of the Century of Progress. Being thus closely acquainted with the innermost preparations for the Fair, Mr. Farrier was able to

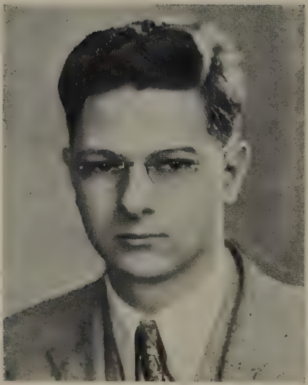
Rossing, Meagher, Gabriel, Beemsterboer, Setterberg, Fox, Eshonen, Gross, Krawitz, Beard, Mauer, Wiltrakis, Kantner
Hromada, Ladzinski, Casey, Heckmiller, Loesche, Donnellan, Hanrahan, Kaplan, Poedtke, Kolar, Wierzbowski, Zacher, Hornberger
Jackson, Westerberg, Koch, Mueller, Alexander, Meyer, Goldstein, Rudolf, Christiansen, Pfeiler, Kampwirth, Bottorff, Frickson, McWilliams
Skoularinas, Rosenfeld, Rooney, Richter, Grafton, Heald, Ensz, Byanskas, Birtman, Grovanu, Nelson, Cameron

give many interesting facts about the coming exposition.

The society was fortunate in securing Major Wendell S. Merick as a speaker for its first regular meeting. Major Merick spoke on a topic of interest to all, "Airports, a Division of Transportation." Many elements not recognized by the layman must be taken into consideration when erecting an airport. What these problems are, and how they are solved, was described in detail by Major Merick.

On Monday, November 30, an inspection trip was held in which some of the leading industries of Waukegan, Illinois, were visited. The program for the day was arranged by Professor Vagtborg and consisted of visits to the power plant of the Public Service Company of Northern Illinois, the North Shore Coke and Chemical Company, and the pumping and filtration plant located in that city. At the power plant many of the latest improvements in plant layout were noticed. At noon, the party assembled in a private room of the Hotel Korcher for luncheon. Here City Engineer Bleck gave a timely address on what the engineering profession expects of the college graduate. The manufacture of coke and its by-products were then witnessed by the party. The very modern and completely equipped Waukegan pumping station and filtration plant was the last to be visited.

The semi-annual smokers relieved the monotony of "all work and no play" and came as a general relief to the hard-working "Civils."



G. J. Stockmann

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

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Samuel E. Winegar	Vice-President
Allen H. Helmick	Secretary
Russell H. Blom	Treasurer

Beta Chapter of the American Institute of Chemical Engineers has enjoyed a particularly successful year in promoting the aims of the organization. We have striven not only to promote a feeling of fellowship among the students in the department, but also to establish and maintain a more intimate contact with the professional chapter and its members. The hearty support of the organization has been of great assistance in accomplishing this relationship.

The first step in realizing this new relationship was taken when the Chicago Chapter of the American Institute of Chemical Engineers were guests of the Armour chapter at a banquet and meeting, held on the evening of November 13, at the Armour cafeteria. Several prominent members were present and took part in the discussion, including E. F. Buchanan, department superintendent, Sherwin Williams Company; W. B. Brown, vice-president, Victor Chemical Company; G. T. Fink, director of research, National Aluminate Company; O. H. Wurster of Wurster and Sanger, Chemical Engineers; R. E. Wilson, vice-president, Standard Oil Company of Indiana; and Howard Adler, Chief Chemist, Victor Chemical Company. The discussion included topics of general interest to the "Chemicals," including what the industrial world expects of the chemical engineers, and comments of the engineers on the laboratories and laboratory methods.

On December 18, the local chapter was fortunate in having with them Mr. R. B. Harper, vice-president of the Peoples Gas Light and Coke Company, one of the chemical engineers in intimate contact with the planning and construction of the Chicago World's Fair of 1933. Mr. Harper chose to talk on this immense undertaking, and this topic was of timely importance to all who were present.

It is due to the cooperation of the professional chapter that we have been able to pre-

Long, Cavanagh, Venema, Field, Moline, Schofield, Linnell, Johannison, Luckerman, Ream
Cordes, Melcarek, Kubicka, Casper, Shaver, Jenson, Bigelow, Booth, Hackley, Lomasney
Lind, Fishman, Winogrond, Helmick, Blom, Stockmann, Winegar, Holland, Berger

sent some of the outstanding men in chemistry and chemical engineering as speakers at our monthly meetings. From the large number of chemical industries which are operated in this vicinity and which have offered their services, speakers have been chosen who represent industries with the widest range of appeal. These meetings are invaluable in aiding the young chemists to orient themselves after graduation.

Not all of our thoughts are directed at such serious problems as these. On the night of the annual departmental smoker the trials and tribulations of student life were relegated to the background, and a pleasant evening was spent amid smoke and cards. Members of the freshman class were invited to attend, and responded en masse. A large turnout of the active group and the presence of several members of the faculty contributed to the success of the affair.

Competition has been unusually keen during the past year for the Schmier-Chemiker Trophy, the official award of the organization for outstanding achievements in laboratory technique. The trophy consists of the replica of a broken flask, suitably suspended by a safety pin from a prominent place in the Senior Laboratory. Below it is left a space where the names of those who are given the official title of "Schmier-Chemiker" are placed. The ambition of the seniors to win the award made it necessary to restrict it to the extremest cases of sloppy technique. Even so, one man bid fair to create a new record when he won official recognition twice in two weeks at the outset of the year. It is suspected that the man in question was under the impression that winning the award three times in succession entitled him to permanent possession of the trophy and the title of "Grand Schmier-Chemiker." However, renewed activity on the part of his classmates prevented the success of his enterprise.

E. A. Scanlan

FIRE PROTECTION ENGINEERING SOCIETY

OFFICERS

Emmett A. Scanlan, Jr.	President
Walter M. Trauten, Jr.	Vice-President
Jerome B. Dirkers	Secretary
Joseph B. Finnegan, Jr.	Treasurer

The Fire Protection Engineering Society, a society formed for two basic purposes, has done much in the past year towards accomplishing these ideals. First, it has given the members of the society a definite and invaluable contact with men in the field; and second, the feeling of fellowship among students in the department has been aided and increased through the social functions of the society.

The field of Fire Protection Engineering is comparatively new. It is indeed only in the last few years that the problem of fire prevention has received well-merited attention. The problem of reducing annual fire losses is not one that can be considered of minor importance, and the reduction of fire hazards requires careful study and attention.

The meetings of the Fire Protection Engineering Society are held bi-monthly. This assures the members a large number of speakers and maintains interest in the society. Speakers are chosen who are specialists in the various phases of fire prevention and are engaged in the different branches of the insurance business.

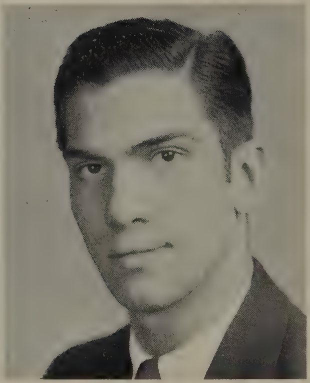
The members of the society were very fortunate in being addressed by Mr. John A. Neale, Chief Engineer of the Chicago Board of Underwriters, on November 6. Mr. Neale, who is one of the best informed men in Chicago on fire protection engineering, spoke on the subject of "Fire Protection in Builder's Risks." Buildings under construction are fire hazards and present none of the advantages of the class of building for which they are rated. Some of the hazards which are present are found in the large piles of combustible material lying about, salamanders and rivet forges, acetylene welding torches, leaky gas lines, and temporary electric wiring. The Chicago Board of Trade Building, with but thirteen fires while under construction, is considered to have been relatively well protected. In order to prevent fires while buildings are under construction,

Peavey, Sullivan, Anderson, Freitag, Knox, Carlstrom, Sorensen, Mueller, Mills, Shaw, Bristol, Magnuson
Stalzer, Hill, Finnegan, Sachs, Kuffel, Brockman, Weldon, Curran, Wheaton, Cunningham, Myers, Nordell, Tilt
Zibble, Beal, Bannasch, Larson, Dobson, Schrage, Jacobson, McCarthy, Searl, Freilinger, Dirkers, Rasmussen, Lukas
Swanson, Arends, Sademan, Trauten, Becker, Young, Clanton, Biegler, Gura, Adrian, Hendricks, Freer, Anderson
Robinette, Jens, Yount, Jackson, Smethells, Schultz, Scanlan, Schodde, Snapp, Ellis, Smith, Peterson

it is necessary to get the hearty cooperation of the owner, architect, and general contractor.

The importance of the engineering department at the National Board of Fire Underwriters was the theme of the talk given by General Frank S. Dixson, who is associated with the National Board, at the meeting of the Fire Protection Engineering Society held on November 20. The topic discussed by General Dixson was "The Organization and Functions of the National Board," in which he stressed the importance of fire insurance, giving a new and broader definition to the term. The National Board is a voluntary organization which has no authority over its members and no jurisdiction over rates and premiums. Its main purpose is educational.

The annual smoker was the scene of a vivid Monte Carlo atmosphere. On this gala occasion the freshmen were permitted to mingle as equals with the knowing seniors and the faculty. Poker and craps were the order of the evening, and it was with malicious delight that the undergraduates tried to relieve Mr. J. V. Parker and Professors Finnegan and Holmes of their well-filled wallets, and why not? When the smoke had cleared away, the "horrible examples" of the group (those who were most proficient in the aforementioned activities) were, for once, honored with handsome gifts for their evening's work. When everyone had eaten and drunk their fill, the members went home with one more memorable evening marked for posterity and future Fire Protection Engineering smokers.



W. W. Davies

ARMOUR ARCHITECTURAL SOCIETY

OFFICERS

Wilfred W. Davies	Massier
F. David Chapman	Sous Massier

The architectural students at Armour are apparently a peculiar lot of fellows. They are men of two campuses. Part of their time is spent in the classrooms and lecture halls in the weathered red brick buildings of Armour Institute; it is there that they learn their "trig" and algebra, their steel and concrete. But the more happy hours of the architects are spent over the drawing boards and water color boxes or modeling clays in the Art Institute of Chicago. It is there that needed inspiration is furnished by the exhibits in the galleries and rooms. The outstanding architectural masterpieces of Chicago are located within the sight of the Art Institute, a decided advantage to those who labor therein. It is there, also, that the aspiring architects, with the welcome aid of the excellent Burnham Library of Architecture, make buildings grow on the paper, and cultivate their tender ideas. The Burnham Library is a very remarkable library on architectural subjects. The books therein cover all ancient and modern ideas in architecture. It is responsible in no small degree for the thoroughness with which the entire field of architectural design is covered by the students. The members of the Armour Architectural Society are fortunate also in possessing another privilege enjoyed by no other group among departmental societies. Prints and replicas of the architectural masterpieces are available for the individual sessions of each member. Thus the student can study directly from the masters, a method of study inferior to none. The finest specimens of the world's architecture is at his disposal.

It is this working side by side; this inking of border lines on a senior plate by an ambitious freshman or the deft strokes of a junior brush on a poor sophomore drawing that breeds the spirit of comradeship that originated the Armour Architectural Society

Terp, Gerhardt, Sandstedt, Cheatham, Lantz, Bloom, Plahk, Flyer, Dubsky, Runge
Irion, Kann, Brown, Tague, Zukowski, Krol, Donnelly, Morris, Herzog, Hoffberg
James, Siegal, Altshular, Nelson, Priest, Simon, Cohen, Montuaro, Ekvoth, Cole
Shapiro, McLane, Navratie, Schultz, Anderson, Sommer, Palmer, Janssen, Morberg
Poe, Palma, Sugarman, Price, Lindblad, Vaughn, Braun, McKenna, Tonsager

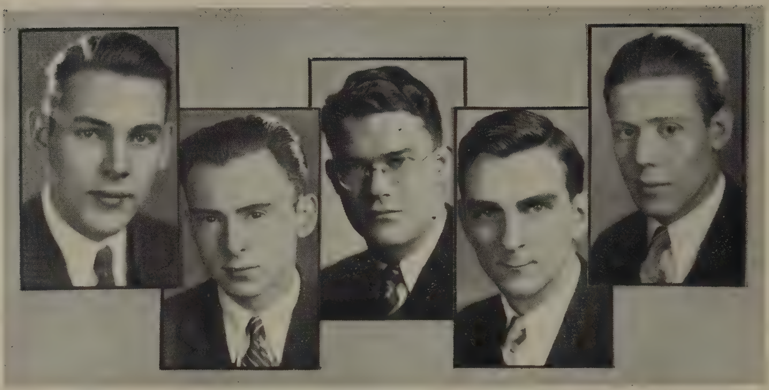
and keeps its spirit alive.

The A. A. S. is a friendly organization composed of all architectural students. It was founded to foster a spirit of cooperation and idealism, to create and maintain a greater interest in all phases of architecture and architectural engineering. This it strives constantly to accomplish. It extends its hand of fellowship to the young freshmen at a smoker in the fall, and later in the year joyfully initiates them into its ranks. Speakers of prominence and lectures of excellence have featured its gatherings. An example of the type of addresses heard by the "Architects" was the illustrated lecture given by Mr. Charles E. Close, manager of the Chicago office of the National Lumber Manufacturer's Association, on the subject of "Lumber," which was given at the Art Institute on March 31. Mr. Close first gave a general explanation of the various phases of lumbering, and then illustrated them with a motion picture.

On the evening of October 23, the social program was inaugurated with the first smoker. At this event a prominent architect of Chicago gave a helpful message on the business side of architecture. A clever "mock judgment" was presented by members of the society and an orchestra plus refreshments completed a pleasant evening.

The climax of activity of the year came in the annual initiation festivities. These took place in the spring. After the freshmen had duly rendered their assigned "Sketch Problem," the society gathered to pass judgment upon the work. With heated enthusiasm and with the aid of prepared paddles, the freshmen were warmly criticised upon the merits and weak points of their problems. After this the neophytes were carefully initiated into the mystic wonders of the Armour Architectural Society.

MUSICAL ORGANIZATIONS



Hornberger, Carlton, Clear, Walker, Bonvallet

ARMOUR TECH MUSICAL CLUBS

Professor Charles W. Leigh . . . . Faculty Advisor
John E. Walker . . . . President

The first appearance of the Armour Tech Musical Clubs during the 1931-32 season was at the Christmas Concert. Here the clubs were aided by the newly formed dramatics club, the Armour Players, in staging a thoroughly enjoyable program. The concert, which was held on Thursday morning, December 17th, in the Assembly Hall, included select numbers from the Glee Club, Band, Orchestra, and the Stresses and Strains. The play given by the Armour Players was "A Night at an Inn' by Dunsany. The concert was run with such smoothness of operation that it was termed professional and a great success.

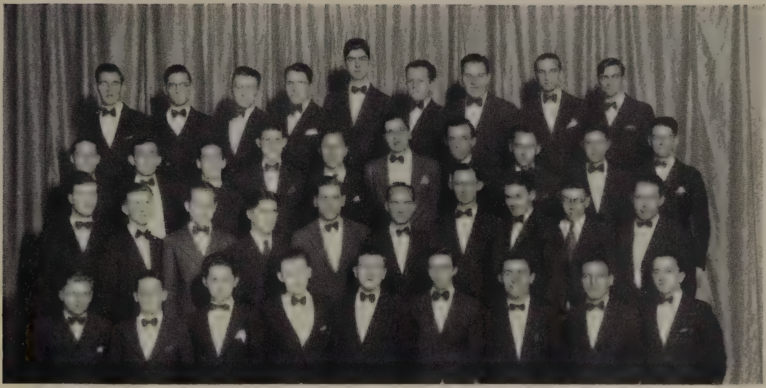
With the Christmas concert over, the clubs turned with anticipation toward their next major endeavor, the Home Concert. Preparations for this closing event of the season were made on every hand. To make the Home Concert a success, each club was thoroughly built up, weaknesses being ironed out by diligent practice in the weekly rehearsals.

Prof. C. W. Leigh

Concert numbers were selected with great care and plans were layed whereby the glee club and the orchestra might cooperate in some piece. George Rezac, '29, was asked to help in directing the orchestra. Much publicity was effected in order to make the concert successful.

The efforts of the Musical Clubs were rewarded by the success of the Home Concert. This concert even surpassed that of last year as its quality and procedure were exceptionally smooth. The selections rendered by the clubs were both of a serious and humorous nature.

So that Armour's Musical Clubs might be brought closer together, a smoker was held. Such a social event for all members of the Clubs had not been held before.



Hazelton, McDonald, Lane, Roberts, Avery, Svoboda, Lang, Wiltrakis, Walker
Breh, Feldman, Hockert, Thomas, Ladzinski, Nebel, McCall, H. W. Richter, Rosen, Shaw
Steinhaus, Englander, Thompson, Sandstrom, Kaplan, Rudolf, Hawes, McFarlane, Otto, Dobson
Toerper, Clarkson, Skoularinas, Carlton, Jones, Stoyke, Chiappe, Knudson, Grakavac

GLEE CLUB

Dr. Daniel Protheroe	Director
Edward W. Carlton	President

During the first semester of the school year 1931-32, the glee club enjoyed the largest enrollment it has had in all of its existence, sixty-two men being enrolled. This unprecedented number developed undoubtedly from earnest efforts which were directed towards getting new members.

Dr. Daniel Protheroe, internationally famous as a choral director, presided at all of the glee club's rehearsals throughout the year. Armour is particularly fortunate in having Dr. Protheroe as the director of its glee club for his services are eagerly sought by others. He gave freely of his time in the extra rehearsals which naturally arose when it was decided to have both the glee club and orchestra appear in a number for the Annual Home Concert.

At the Annual Christmas Concert, the glee club did wonderfully well, presenting a well balanced and perfected program. They sang Christmas carols with merriment or with reverance, as the case demanded, so realistically as to make one remember those choristers of old who used to roam the streets on a Christmas Eve, gently breaking the still winter air with beautiful carols.

Altogether the Glee Club had a successful season. They were successful because they enjoyed their singing, because they learned more about music, something that is sadly needed at a technical school, because friendships were developed that could not have occurred elsewhere, and because they shared in the very spirit that spelled success.

The Glee Club, on several occasions, sang outside. These events were popular with the members as was the smoker.

Dr. D. Protheroe

ORCHESTRA

E. E. Lantz	Director 1st Semester
George L. Bonvallet	Director 2nd Semester

The orchestra began the year with E. E. Lanz as student director for the first semester and then elected G. E. Bonvallet as student director for the second. For a while, between the semesters, Mr. G. A. Rezac, student director of the orchestra while he was at school, conducted, appearing in that capacity at a number of rehearsals and at an assembly.

Throughout the first part of the year, the orchestra experienced considerable difficulty in getting started. However, sufficient progress had been made by the time of the Christmas concert to insure the maintenance of the high standards established in the past few years. It was not until the Annual Home Concert that they showed their true colors. At this time they played with all the fire and enthusiasm that has characterized Armour's orchestras in the past. A higher and finer type of music was presented, more difficult in technique than anything yet attempted by an Armour orchestra, but providing greater opportunities for orchestral effect and interpretation, the latter being fully taken advantage of.

To attain the perfection shown at the Annual Home Concert, the orchestra had to get down and work at their rehearsals. Each member realized his job and carried it through to completion, the sections were rearranged and built up, and each rehearsal was made as near to "concert" conditions as possible. The results of this drive for betterment culminated in success, as everyone knows.

Albano, Troemper, Weston, Clear, Ekroth, Meehan, Anderson, Cornwell, Meyer

STRESSES AND STRAINS

James A. Clear . . . . Director

The Stresses and Strains really enjoy more public popularity than any of the other musical clubs, merely by virtue of the fact that they play the so-called popular type of music. At the Christmas Concert, where the students comprised the audience, the ovation they received was so great as to necessitate an encore, and not until it was given did the men subside. "Goofus" by Wayne King was the number that attracted the most attention at the concert. It was played as a novelty number.

At the time of the revision of the Armour Tech Musical Club constitution, it was decided that the Stresses and Strains should be regularly included as one of the musical clubs. This decision was reached when it became apparent that the club had a deserved popularity and jazz or not it was doing fine work and deserved recognition. As a result of this action, the ranks of the Armour Tech Musical Clubs were swelled to four, and included the Glee Club, Orchestra, Band and Stresses and Strains.

J. A. Clear was student director for the "Stresses" throughout the year and was instrumental in bringing the club to the fine high level that it attained at the close of the season.

We come to the end of the activities of the Armour Tech Musical Clubs for the year 1931-32. It has been a glorious and a colorful year for them, during which much was accomplished for their betterment and for the Institute's. It was the aim of all in the clubs to make this particular season the "best ever" and everyone tried as hard as he could to shoot true. That they found their mark is now apparent and it only remains to express appreciation and thanks for their endeavors.

BAND

Walter H. Hornberger . . . . Director

Last year it was decided to discontinue the rehearsals of the band and cancel the organization's existence. This step was taken because it was felt at the time that attendance was falling off and that if more attention was given to the orchestra it would be better for the clubs. In this way the burden of belonging to two organizations which were serving somewhat similar purposes, at the same time as some of the men were doing, would be relieved.

This arrangement lasted for just a year, however, when the demand for a band grew so strong as to break it down. Obtaining the permission of Professor Leigh, faculty advisor for the Armour Tech Musical Clubs, W. H. Hornberger posted a notice at the beginning of the year calling for recruits in the reorganization of the band.

The call was answered by a few and then began the slow process of organization, a process that might have subdued a weaker heart. It was carried on, though, and to success! At the Christmas Concert, the Musical Clubs had a club ready to play that type of music most readily brought out by a band.

Following the Christmas Concert rehearsals were held in preparation for the Annual Home Concert and efforts were made to get lower classmen interested in the band. The latter were needed to carry on the work for the next year.

At the Home Concert the band did more than their share, giving the accompaniment, as nobody but the band can do it, to the Armour Fight Song. All-in-all the band, too, showed that spirit of success, the spirit that predominated all other emotions among the Armour Tech Musical Clubs.

CLUBS

Williams, Weston, Krol, MacFarlane, Beckman, Magnuson, Minnick, Milevsky
Kapecki, Ziegler, Clear, Moline, Robson, Jones, Patterson, Lomasney, Adrian
Winbolt, Noerenberg, Bewersdorf, Hess, Bonvallet, Cavanagh, Jensen, Winegar
Chun, Cannon, Graham, Guyot, White, Viel, Gray, Kostenko

CAMPUS CLUB

OFFICERS

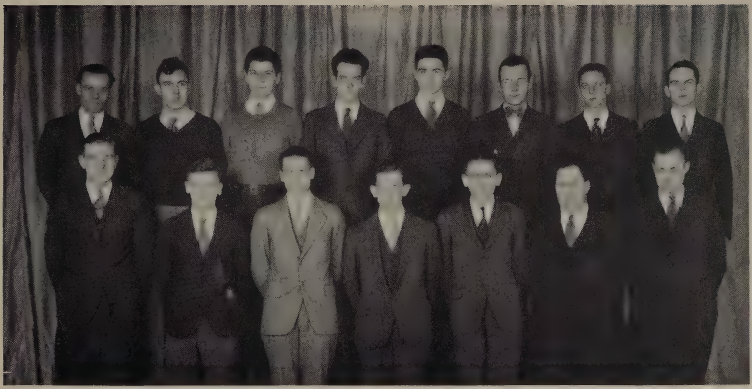
D. I. White	President
G. Jenson	Vice-President
E. P. Lomasney	Executive Secretary
A. Kapecki	Recording Secretary
A. Veil	Club Advisor

The Armour Tech Campus Club, an organization open to all the students at Armour, has finished its fifth successful year since its organization in 1927. The club is primarily a social organization, and offers the student body a place where a general get-together may be held at various hours during the day. The spirit of friendship and comradeship that prevails among the members has resulted in a most pleasant year.

To further the feelings of friendship and fellowship among the students at Armour, the Campus Club, with the cooperation of the social fraternities, initiated the social activities of the year of the school with the Freshman Handshake, at which time the entering students were made to feel at home by the upper classmen, amid an atmosphere of apple cider and doughnuts.

Several smokers were given during the year in the club rooms in Chapin Hall under the auspices of the club. These were without exception voted a great success. In addition to the smokers, the social activities of the club included the meeting and banquet of the Campus Club Alumni Association and the annual banquet of the active group.

Visitors are always welcome at the Campus Club, and someone is always ready to discuss politics or religion, or perhaps engage in a game of bridge, chess, or checkers. The club has added to its activities by sponsoring an annual bridge and chess tournament. It is also planning to enter athletics in a serious way.



Pesek, Lomasney, Balsivik, Hess, Linnell, Patla, Sachs, Cornwell
Hollmann, Dickey, Paine, Helmick, Becker, Matheson, Hackley

RIFLE CLUB

OFFICERS

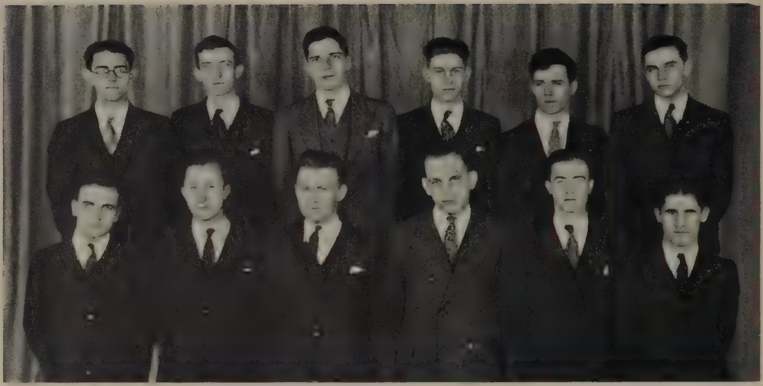
Erwin Wandrey	President
Donald G. Wilson	Vice-President
G. Lewis Hackley	Secretary-Treasurer
Edward Balsewich	Range Officer

With all the men of last year back on the team, the Armour Tech Rifle Club started what promised to be a highly successful year by winning the outdoor match for the Humboldt Park Gun Club Trophy. This cup is now in possession of the Tech sharpshooters, and it will become a permanent fixture if it is won three times in succession. Each year two indoor meets and one outdoor meet determine the ownership for that year.

The first postal matches of the year proved that the men were getting into their stride without wasting any time. The scores improved with each match, and all of the matches were won by good margins, including the first one with the New York Stock Exchange, the only team which defeated the Armour Tech Rifle Club consistently the year before.

The year brought forth also many notable improvements in the home range of the club. The most notable of these was the installation of clips to hold the targets, thus eliminating many painstaking searches for thumbtacks.

The Armour Tech Rifle Club has made a memorable record since its organization in 1927. The acquisition of their own range, located in Chapin Hall, and the installation of an excellent lighting system has enabled members of the club to compete with some of the finest teams in the country, mainly via postal matches. Professor Mangold continues as the capable faculty adviser.



Lewis, Leonard, Nebel, Stocklin, Kerrigan, Dombroski
Hoffman, Ladzinski, Lane, Jost, Moore, Sandstrom

TRUSS CLUB

OFFICERS

Professor Eldon C. Grafton	Faculty Member
Clifford Lane	President
William L. Jost	Vice-President
Thaddeus Pladzinski	Treasurer
William C. Hoffman	Secretary
Paul Nebel	Historian
Herbert W. Richter	Secretary-Treasurer

With the passing of the college year, the Truss Club has ended its eighth year as an organization on the Armour campus. The Truss Club received its start through the efforts of a group of senior students in the department of civil engineering, who desired a closer contact with men of the same interests and of good personal character. The outcome of their efforts was the organization of the Truss Club, and the club still has for its basic purpose the same ideas which were responsible for its organization.

At the outset of the college year, early in October, the club initiated an enterprising social program with its first smoker of the year. The members found time, over the bridge tables, to regale each other with the new and great accomplishments in the field of engineering they had been responsible for during the summer. The smoker aroused a great deal of enthusiasm, and another was held soon afterward. Subsequent to the smokers, several radio dances made the social activities of the year an outstanding success.

The past year has been one of the greatest in the history of the Truss Club. A new spirit was founded when the club moved into its new quarters at 3423 S. Michigan Ave., and future expansion seems assured.

Schinke, Minnick, Krol, Meuret, Weston, Grosser, Rychlik, Lange
Korrell, Poetzl, Wegner, Nebel, Bonvallet, McGill, Matheson, Abendroth
Colcord, Carlton, Breh, Frye, Fagan, Juvinall, H. W. Richter, Becker

ARMOUR RADIO ASSOCIATION

OFFICERS

Morton Fagen	President
Grote C. Reber	Vice-President
Raul H. Frye	Chief Operator
Herbert W. Richter	Secretary-Treasurer

The Armour Radio Association is an organization of men interested in the art of radio communication. Drawing its membership from a group with diversified concerns, this interest may take one of a number of forms. Some of the members are government-licensed radio operators, qualified to conduct private stations for world-wide communication. Others are intrigued by the science in a general way, perhaps to an extent as limited as that of the amateur astronomer who is absorbed by the wonder of the unknown though he understands little of it. To such a varied membership, the Association affords an opportunity for mutual help and benefit through the medium of the Institute radio station W9YW. Meetings are held as forums for non-technical discussions, and are often addressed by men of wide practical experience from the commercial field.

Due to the repair work undertaken about the Institute in the Fall, the radio operating room was not available for use until the second semester of school. With this check removed, Association activities commenced in earnest. The entire station was rebuilt, both transmitter and receiver units being reconstructed to meet modern requirements and demands. The necessary experimentation and actual construction proved to be of great interest and benefit. The result was a re-establishment of the radio station. A number of meetings were held at which prominent radio men spoke on topics of general and timely interest. Student talks were given by various members of the organization as well.

In this way, the Armour Radio Association has proved to be of definite value to all with an active interest in that great and coming field, radio communication.

DRAMATIC CLUB

The passing of the last year saw the birth of a new organization of this type, a Dramatic Society. The purpose of this group is to create among the students a greater appreciation of the spoken stage, and to give those among them who so desire an opportunity to enact short plays from time to time.

With the announcement that a Dramatic Club was to be organized, late in October, the student body showed their interest in the undertaking by having representative members of each department offer their services in the work they specialized in. A group of architects volunteered to design all the scenery necessary for the contemplated plays, while the mechanicals and the electricals took care of the "properties" and stage lighting.

As a result of the enthusiastic reception accorded the organization of the club, it was decided to present a short drama at the annual Christmas concert. A one act mystery play, "A Night at the Inn", by Lord Dunsany, was chosen, and under the direction of Professor Walter Hendricks, the play was given on December 17. The instant approval with which it was greeted heartened the "dramatists" and it seems assured that this first year is only the beginning of a long and famous existence at Armour Institute.

ARMOUR TECH PHILATELIC SOCIETY

A survey taken during the month of December, 1931, showed that a number of Armour students were interested in philately or the art and science of stamp collecting. Feeling that this interest deserved recognition in the form of some kind of club or society, the Armour Tech Philatelic Society was founded and organized.

Its organizer, E. W. Carlton, '32, found a greater interest in this form of research and discovery than at first supposed, with the result that the club has grown and prospered, fully intending to continue their good work next year. Some of the things that were accomplished this year include the establishment of a philatelic library in the main library of the Institute, the establishment of an exchange system whereby members are able to trade, buy, and sell stamps effectively, and the acquisition of a number of good speakers who not only gave the members sound information on philatelic matters but who also told of the historic significance of some of the stamps.

Throughout the year, the aim of this society was to bring out to its members the best philately had to offer. The members learned more about history; they became acquainted with printing methods, and they acquired new stamps for their collections. Above all, however, they made new friends and acquaintances, and contributed to a worthwhile endeavor.

HONORARY AND PROFESSIONAL FRATERNITIES

TAU BETA PI

HONORARY ENGINEERING

Founded at Lehigh University in 1885
Sixty-one Active Chapters

BETA CHAPTER

Established 1906

HONORARY MEMBERS

Howard M. Raymond	President of Armour Institute of Technology
George F. Gebhardt	Professor of Mechanical Engineering
Harry McCormack	Professor of Chemical Engineering
Charles E. Paul	Professor of Mechanics
Joseph B. Finnegan	Professor of Fire Protection Engineering

FACULTY MEMBERS

Ernest H. Freeman
Eldon C. Grafton
Henry T. Heald
Phillip C. Huntly
William H. Lautz
Charles W. Leigh
Edwin S. Libby
David P. Moreton
Henry L. Nachman
James C. Peebles
John C. Penn
Robert V. Perry
Daniel Roesch
Sholto M. Spears
Van Baumen Teach
Ernest E. Tupes
Melville B. Wells

CHARTER MEMBERS

William C. Brubaker
Henry W. B. Clausen
Einar Enander
Tenney S. Ford
Edwin F. Gillette
Edwin O. Griefenhagen
Grover Keeth
Charles Klapper
Samuel Klein
Howard L. Krum
George W. Kuhn
Ernst Liebermann
David P. Moreton
Robert V. Perry
Myron B. Reynolds
Ralph H. Rice
Oscar A. Rochlitz
Henry J. Sawtell
Ray E. Swearingen
Andrew F. Wanner

Buehne, Sorensen, Robin, Rossing, Meagher, Schinke, Waindle
Bogot, Jungels, Trauten, Cannon, Davis, McGill, Bonvallet
Chun, Schodde, Lind, Cavanagh, Scanlan, Rudolf, Fagen

ACTIVE MEMBERS

Alexander Bogot
George L. Bonvallet
Willis G. Buehne
C. Newton Cannon
John O. Cavanagh
Edwin H. Chun
Harold R. Davis
Morton Fagen
Alton J. Jungels
Stanley M. Lind

Thomas A. McGill
Richard E. Meagher
Clarence J. Robin
Harvey C. Rossing
Wilbur H. Rudolf
Emmett A. Scanlan, Jr.
Max J. Schinke
Glen W. Schodde
Jarl T. Sorensen
Walter M. Trauten, Jr.

Roger F. Waindle

Tau Beta Pi, an engineering honorary society, was founded at Lehigh University, Bethlehem, Pennsylvania, in June 1885. Its primary purpose is to confer honor upon those engineering students who have maintained a high standard of scholarship, and have also displayed a high degree of initiative, a spirit of leadership, and a strong character during their years at college. It has been the aim of Tau Beta Pi to stress the cultural side of a student's life, an aspect that is too often forgotten by an engineering student.

Beta Chapter of Illinois was chartered May 22, 1906. It was the fourteenth chapter of a roll that now includes sixty-one chapters spread all over the United States in the engineering colleges. There are nine Alumni Chapters. The roll numbers approximately 18,000.

Students are elected to Tau Beta Pi from the upper one-eighth of the Junior class in the spring; and in the fall, seniors in the upper quarter are eligible, together with three juniors from the upper one-eighth of their class. Honorary memberships have been conferred on prominent engineers and graduates.

SPHINX

HONORARY LITERARY

Founded at Armour Institute of Technology in 1907

Pledge
Ribbon
Yellow
and
Black

HONORARY MEMBERS

Walter Hendricks	Associate Professor of English
Charles E. Paul	Professor of Mechanics
James C. Peebles	Professor of Experimental Engineering
Joseph B. Finnegan	Professor of Fire Protection Engineering

CHARTER MEMBERS

H. Ralph Badger
Austin Crabbs
Donald D. Dick
Harold S. Ellington
Walter Eyers
James S. Harvey, Jr.
John A. Jones
Arthur A. Kellkenney
Elmer V. McKarahan
Joseph E. Monahan
Edwin H. Stillman

Carlton, Richter, Schinke, Jens, McCall, Davis
Casey, Beal, Rudolf, Fagen, Schodde

ACTIVE MEMBERS

Marshall R. Beal
Edward W. Carlton
James J. Casey
F. D. Chapman
Harold R. Davis
Morton Fagen
Charles J. Jens
James S. McCall
Harry P. Richter
Wilbur H. Rudolf
Max J. Schinke
Glen W. Schodde
John R. Jackson, Jr.

Sphinx, honorary literary society, was founded at Armour, March 4, 1907. It was the second honorary to make its appearance on the campus. The executive members of the Fulcrum and the Integral formed a society which soon afterward became known as Sphinx.

The society was formed with the purpose in mind of fostering and promoting the publication work at Armour and to serve as an honor society for services rendered to the Institute through the publications. It has followed out this purpose by serving as an advisory board to the student publications. Through this close association the history of Sphinx and of the Armour student publications have become synonymous.

Membership has been granted to 209 men at Armour Institute. Senior and junior students who hold executive positions on the staff of any recognized publication at Armour and who have done work of high character and have shown exceptional ability during their first two years are considered for membership.

ETA KAPPA NU

HONORARY ELECTRICAL

Founded at University of Illinois in 1904
Twenty-two Active Chapters
Ten Alumni Chapters

DELTA CHAPTER

Established 1909

HONORARY MEMBERS

Ernest H. Freeman	Professor of Electrical Engineering
John E. Snow	Professor of Electric Power Production

FACULTY MEMBERS

David P. Moreton	Professor of Direct and Alternating Current Machinery
Van Bauman Teach	Associate Professor of Mathematics

CHARTER MEMBERS

Clarence C. Bailey
Alfred B. Chapman
Samuel W. McCune, Jr.
William J. Nerille
Olin L. Richards
Edward B. Sherwin

Breh, Korrell, Meuret, H. W. Richter, Rychlik, Abendroth, Juvinall
Fagen, McGill, Bonvallet, Schinke, Minnick, Krol

ACTIVE MEMBERS

Philip H. Korrell
Harold F. Abendroth
George L. Bonvallet
Walter C. Breh
Morton Fagen
James W. Juvinall
Werner Krahl
Thomas A. McGill
James A. Meuret
Virgil J. Minnick
Herbert W. Richter
Robert F. Rychlik
Max J. Schinke

It was on October 28, 1904, that Eta Kappa Nu was organized by ten progressive students in the department of electrical engineering at the University of Illinois. Realizing the benefit to be derived from such an organization and the necessity for binding together the outstanding members of each class, these students made the necessary steps for its organization.

In 1909 a few students of Electrical Engineering at Armour Institute petitioned Eta Kappa Nu. On May 24, 1909, Delta chapter was chartered. These students realized fully the benefits to be derived from closer association with graduate students and with the students of other engineering colleges interested in their line of work. The society now includes 22 active chapters and nine alumni chapters.

The major requirement for candidacy to Eta Kappa Nu is scholarship. The standard of scholarship is defined in its broadest sense. It is taken to mean ability to lead and ability to use knowledge with common sense.

SCARAB

PROFESSIONAL ARCHITECTURAL

Founded at University of Illinois in 1909
Eleven Active Chapters

Pledge
Ribbon
Black,
Blue
and
White

EDFOU TEMPLE

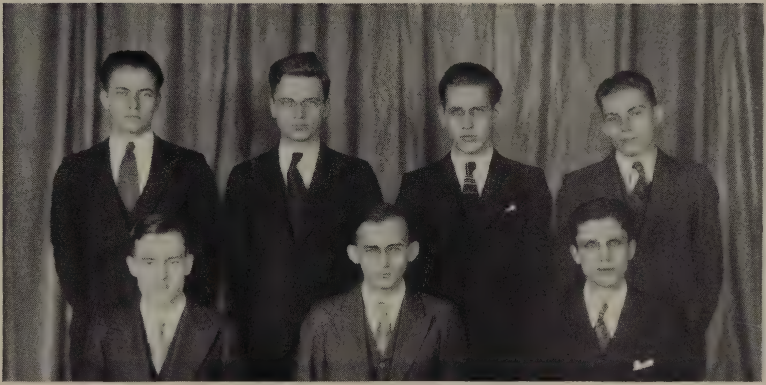
Established 1913

FACULTY MEMBERS

Earl H. Reed, Jr	Professor of Architecture
William H. Lautz	Assistant Professor of Architecture
William F. McCaughey, Jr	Associate Professor of Architectural Design
Walter L. Suter	Assistant Professor of Architectural Design
Rowland Rathbun	Assistant Professor of Architectural Design
Emil R. Zettler	Consulting Professor of Architectural Sculpture
Theodoras H. Hofmeester	Assistant Professor of Architectural Modeling

CHARTER MEMBERS

Edwin M. Sincere
Raphael N. Friedman
Charles D. Faulkner
Murray D. Hetherington
Gorden S. Barber
Fred D. Farrar



Ekroth, Palma, R. Peterson, Braun
Irion, G. Terp, Wichser

ACTIVE MEMBERS

Ronald G. Braun	Joseph Palma
Spencer B. Cone	Raymond A. Peterson
Roy W. Ekroth	George Terp
Theodore Irion	Alvin J. Wichser, Jr.

In 1909 the leaders of architecture at the University of Illinois organized a group called the Scarab fraternity. It had no intention of becoming a national organization when founded. An architectural fraternity was organized at Armour in 1900. It was known as Alpha Delta Tau. This organization continued until 1915, when it was admitted, after petitioning, as Edfou Temple of Scarab Fraternity. There are now thirteen temples in the nation-wide organization.

Scarab secures through association the advantages of a refined culture; it stimulates interest in architecture and the allied arts and promotes friendly competition among the students and schools of architecture, and creates a lasting spirit of fellowship and cooperation within the fraternity.

Election to membership is based on ability, scholarship and character. It has always kept its membership comparatively small.

PHI LAMBDA UPSILON

HONORARY CHEMICAL

Founded at University of Illinois in 1899
Twenty-eight Active Members

OMICRON CHAPTER

Established 1920

Pledge
Ribbon
Red
and
Blue

FACULTY MEMBERS

Harry McCormack	Professor of Chemical Engineering
Charles A. Tibbals	Professor of Analytical Chemistry
Walter J. Bentley	Assistant Professor of Chemical Engineering

CHARTER MEMBERS

Walter J. Anderson
Walter J. Bentley
Joseph M. Bernstein
William S. Eagle
Lyman D. Judson
William T. McCauley
Harry McCormack
Clarence M. Muehlberger
William J. Savoye
Emil F. Winter

Stockmann, Linnell, Field, Holland, Cavanagh
Lind, Paine, Blom, Fishman, Krizan

ACTIVE MEMBERS

- Russell H. Blom
- John O. Cavanagh
- Edmund Field
- Henry Fishman
- William A. Holland
- Leonard W. Krizan
- Stanley M. Lind
- Orville J. Linnell
- Franklin W. Paine
- Gervase J. Stockman

Founded at the University of Illinois in 1899 for the purpose of promoting high scholarship and original investigation in all branches of pure and applied chemistry, Phi Lambda Upsilon, honorary chemical engineering, now numbers twenty-eight active chapters and one alumni chapter. The total membership is about four thousand.

Through the efforts of two members of the faculty, Professor C. A. Tibbals and Mr. C. F. Smith, Omicron chapter of Phi Lambda Upsilon was chartered in 1920.

Election to membership takes place in the beginning of each semester. Members of the junior and senior classes and the highest sophomore student in chemical engineering are eligible.

The basis of election is scholarship. This is determined by averaging all grades, giving chemical grades twice the value of the others. The vote on scholarship must be unanimous. The personality of the student is considered only so far as it pertains to habits, neatness and honesty.

CHI EPSILON

HONORARY CIVIL

Founded at University of Illinois in 1922
Eleven Active Chapters

ARMOUR CHAPTER
Established 1923

Pledge
Ribbon
Purple
and
White

HONORARY MEMBERS

Herbert Ensz	Assistant Professor of Civil Engineering
Eldon C. Grafton	Assistant Professor of Structural Engineering

FACULTY MEMBERS

Melville B. Wells	Professor of Civil Engineering
John C. Penn	Professor of Civil Engineering
Roe L. Stevens	Associate Professor of Bridge and Structural Engineering
Philip C. Huntley	Associate Professor of Experimental Engineering
Henry T. Heald	Associate Professor of Civil Engineering

CHARTER MEMBERS

Richard B. Barry
Mack Burkey
C. Wendell Carlson
Eugene F. DeBra
Fred G. Frederick
Charles S. Frink
George Goldhart
Frederick Hess
Robert S. Mayo
Harold W. Munday
F. Raymond Nelle
Alfred E. Phillips
Edward W. Prentiss
Lloyd R. Quayle
Oremas G. Smith
John H. Sweeney

Hornberger, Rossing, Meagher, Robin, Eskonen, Wiltrakis
Koch, L. A. Mueller, Fox, Erickson, Rudolf

ACTIVE MEMBERS

Carl A. Erickson	Luther A. Mueller
Oscar Eskonen	Clarence J. Robin
Charles H. Fox	Harvey C. Rossing
Walter H. Hornberger	Wilbur H. Rudolf
Albert A. Koch	Edward J. Wiltrakis

Richard E. Meagher

Founded at the University of Illinois in 1922, Chi Epsilon, honorary civil engineering fraternity, granted a charter to the Armour chapter, March 9, 1923. It was founded to provide an incentive for greater achievement in the civil engineering profession, and to distinguish the undergraduates who have shown a high scholastic ability.

Election to membership is based on the four requisites of a successful engineer; scholarship, character, practicality, and sociability. A candidate must have an average grade in scholarship in the upper one-third and must be a student in regular standing in the Civil Engineering Department in the junior or senior class.

The "Transit" is the official publication of the fraternity and is published twice annually. It contains widely varied subjects of interest to civil engineering students and also news of the various chapters.

SALAMANDER

HONORARY FIRE PROTECTION

Founded at Armour in 1923

HONORARY MEMBERS

Jackson V. Parker	Chairman, Scholarship Committee
Wellington R. Townley	Member of Scholarship Committee
Joseph B. Finnegan	Professor of Fire Protection Engineering
Otto L. Robinson	Associate Professor of Fire Protection Engineering
Charles P. Holmes	Assistant Professor of Fire Insurance
Fitzhugh Taylor	Fire Protection Engineer, Underwriters Laboratories

CHARTER MEMBERS

Royal M. Beckwith
George G. Blair
Ora L. Cox
John C. Worley
Joseph B. Finnegan
Chester W. Hauth
Raymond O. Matson

Scanlan, Trauten, Clanton, Schodde

ACTIVE MEMBERS

Carl N. Clanton	Glen W. Schodde
Emmett A. Scanlan, Jr.	Walter M. Trauten

In 1923, with the help of Professor J. B. Finnegan and other members of the faculty, the initial steps for founding an honorary fire-protection engineering fraternity were taken. The initial chapter was composed of seven men. Its purpose was to foster high scholarship and incite original investigation in all phases of its branch of engineering.

The primary requisite for membership is high scholarship. However, to qualify for membership the candidate must show evidence of superior abilities through his activities and must possess a strong character.

A news letter, the "Deflector," is published annually by the organization. In it is contained news of its alumni and of the active chapter. Regular meetings are held throughout the year. Two initiation smokers are held, one in the fall and the other in the spring of the year.

PI TAU SIGMA

HONORARY MECHANICAL

Founded jointly at University of Wisconsin and University of Illinois in 1915
Nine Active Members

DELTA CHAPTER

Established 1924

HONORARY MEMBERS

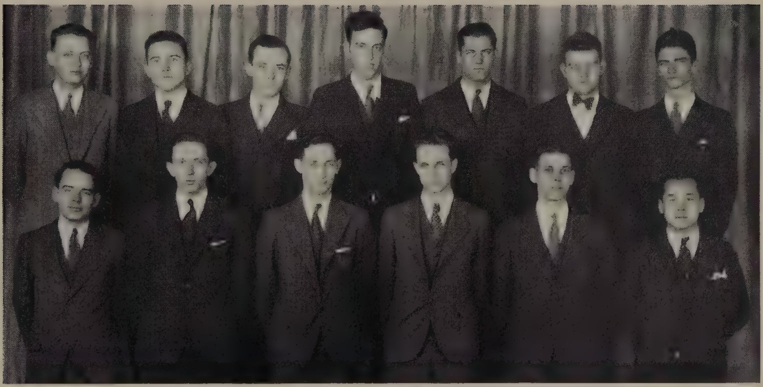
George F. Gebhardt	Professor of Mechanical Engineering
Ernest Hartford	Assistant Secretary, A.S.M.E.
Phillip C. Huntly	Associate Professor of Experimental Engineering
Edwin S. Libby	Professor of Refrigeration Engineering
James C. Peebles	Professor of Experimental Engineering
Robert V. Perry	Professor of Machine Design
Daniel Roesch	Professor of Automotive Engineering

FACULTY MEMBER

Arthur W. Sear	Assistant Professor of Electrical Engineering

CHARTER MEMBERS

Samuel Allen Baird
Earl Gustav Benson
James Pendleton Dunlap
George Seth Maffit, Jr.
Eugene William Odenwaldt
Henry Walter Regenberger
Charles Morgan Rowley
John Maxwell Shoemaker
George Cristy Kramer



Sandberg, Waindle, McCall, Clucas, Buehne, Beattie, Cannon
Newton, Jungles, Bogot, Davis, Winbolt, Chun

ACTIVE MEMBERS

Richard F. Beattie
Alexander Bogot
Willis G. Buehne
Claude N. Cannon
Edwin H. Chun
James M. Clucus
Harold R. Davis
Alton J. Jungels
James S. McCall
Lowell R. Newton
Vernon R. Sandberg
Roger F. Waindle
Lew W. Winbolt

Pi Tau Sigma, national honorary mechanical engineering fraternity, was established March 16, 1915, at the University of Illinois. It was founded by students in the department of mechanical engineering who, having felt the need of closer association to foster the spirit of liberal culture in engineering students, and having maintained a high scholarship, took the necessary steps for the organization of such a society. Its purposes are to emphasize the high ideals of its profession, to stimulate student interest in student activities and to promote the welfare of its members.

Delta, the fifth member of a roll call that now numbers nine, was installed at Armour, December 22, 1924.

Students are elected each year from the upper half of the senior class and the upper third of the junior class. The upper third of the junior class is eligible in the spring. Though high scholarship is essential, other characteristics of the candidate such as personality, character, leadership, and college activity are taken into account.

PI NU EPSILON

HONORARY MUSICAL

Founded at Armour in 1927

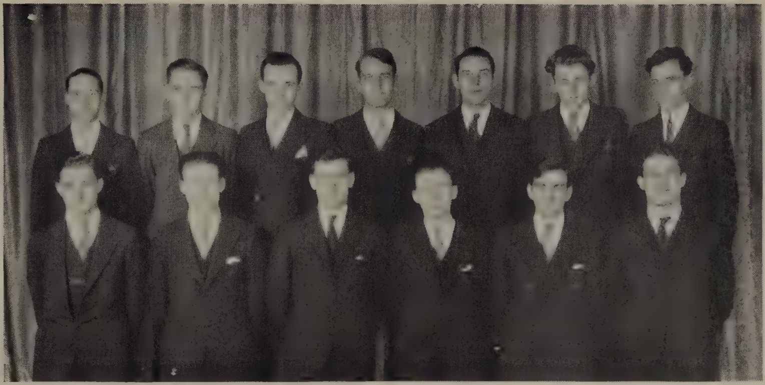
Pledge
Ribbon
Scarlet
and
Grey

FACULTY MEMBERS

Charles W. Leigh	Professor of Analytic Mechanics
Howard M. Raymond	President of Armour Institute

CHARTER MEMBERS

Thornton J. Clark
David G. Greenfield
W. MacDowell Horn
Charles Wilber Leigh
Nicholas Markoff
Kent H. Parker
George Rezac
William E. Vevurka
Willard Wilson



Breh, H. W. Richter, McCall, Weston, Hornberger, Lange, H. P. Richter
McGill, Bonvallet, Korrell, Carlton, Walker, Clear

ACTIVE MEMBERS

Philip H. Korrell
George L. Bonvallet
Edward W. Carlton
Thomas A. McGill
Walter H. Hornberger
John E. Walker
Andrew H. Weston
Walter C. Breh
James S. McCall
Herbert W. Richter
William W. Lange
James A. Clear

In 1927, Pi Nu Epsilon was organized as a musical honorary fraternity. It followed many months of consideration of the problems of the musical clubs and the need for such an organization. The charter members were a sincere group of men who realized the need of a stimulus for the musical organizations at Armour.

The aims of the fraternity have been to honor the men who have devoted their time and energies for four years to the musical clubs at Armour, to stimulate interest in the musical clubs and a broader interest in music and musical affairs at Armour.

Twice each year juniors and seniors who have been prominent in musical affairs are considered for membership. Before initiation each pledge must prepare a paper requiring research in the musical world. As the organization is a musical society no scholarship standard is set but each candidate must pass a rigid examination covering his musical knowledge before being pledged.

ALPHA CHI SIGMA

Founded in 1906

Forty-seven Active Chapters
Seventeen Professional Chapters

ALPHA PSI CHAPTER

Established 1930

FACULTY MEMBERS

Charles A. Tibbals	Professor of Analytical Chemistry
Arthur H. Carpenter	Associate Professor of Metallurgy
Walter J. Bentley	Assistant Professor of Chemical Engineering
John J. Schommer	Assistant Professor of Industrial Chemistry

CHARTER MEMBERS

Edward A. Armit
Frederick B. Attwood
Walter J. Bentley
Russell H. Blom
Albert F. Bigelow
Lawrence C. Brunstrum
Arthur H. Carpenter
John O. Cavanagh
James J. Doheny, Jr.
Oliver J. Fiola
Maurity P. Johnson
Harold J. Lathomn
Isaac B. Lehman
Orville G. Linnell
Maurice E. Lovejoy
Leonard V. Melcarek
Charles E. Morris
Ulrich G. Nolf
George L. Parkhurst
Peter M. Rayerick
Clarence H. Seeley
Albin J. Stabovitz
Charles J. Stamberg
Oscar R. Steinert, Jr.
Gervose J. Stockmann
John E. Tarman
Charles A. Tibbals
Walter R. Trognitz

Ream, Melcarek, Johannisson, Linnell, Stockmann, Cavanagh, Steinert
Winegar, Milan, Bigelow, Marty, Blom, Gunderson, Eberly

ACTIVE MEMBERS

Paul Bestler
Alfred F. Bigelow
Russell H. Blom
John O. Cavanagh
Kenneth Eberly
Walter E. Gundersen
Allen H. Helmick
Sven Johanissonn
Orville G. Linnell
Raymond W. Marty
Leonard V. Melcarek
Daniel J. Mullane
Altus M. Ream
Robert H. Schorling
Gervose J. Stockmann
Sam E. Winegar

On December 13, 1930, the members of the local fraternity known as Flask and Beaker were initiated into Alpha Chi Sigma as the forty-seventh collegiate chapter.

The fraternity conflicts in no way with Phi Lambda Upsilon, honorary chemical. The purpose of Alpha Chi Sigma is to bring chemical students and professional chemists into closer contact and to strive for the advancement of chemistry both as a science and as a profession.

In addition to the forty-seven collegiate chapters there are seventeen professional chapters situated in the principal cities of the county. A feature of the fraternity is a placement bureau maintained by these professional chapters to aid graduates in securing work.

Candidates are elected twice a year from the senior, junior and sophomore classes in Chemical Engineering. Election is based on scholarship, ability and personality.

Blom, Rossing, Davis, Korrel
Rudolf, Trauten, Cavanagh, Fagen

HONORARY FRATERNITY COUNCIL

John O. Cavanagh, Tau Beta Pi . . . . . President

REPRESENTATIVES

Tau Beta Pi	John O. Cavanagh
Sphinx	Wilbur H. Rudolf
Eta Kappa Nu	Morton Fagen
Phi Lambda Upsilon	Russell H. Blom
Chi Epsilon	Harvey C. Rossing
Salamander	Walter M. Trauter, Jr.
Pi Tau Sigma	Harold R. Davis
Pi Nu Epsilon	Philip H. Korrell

This very important and vital organization was first thought of in the fall of 1927. These thoughts were soon followed with action and the Honorary Fraternity Council was founded.

The purposes for the organization of this council were: to further the interests, both social and scholastic, of the honorary fraternities, and to stimulate the interest of, and retain the alumni of the active chapters. The constructive ideas found in each fraternity were utilized by all through the organization.

The two major social events of the year are the annual honorary dinner and the annual honorary dance.

Though the existence of the Honorary Fraternity Council has been short, it has fulfilled its purpose for organization. The relation between the active chapters of the organization is much closer and the attendance and support of the alumni is very evident.

SOCIAL FRATERNITIES

PHI KAPPA SIGMA

Founded at University of Pennsylvania in 1850

ALPHA EPSILON CHAPTER

Established in 1898
3236 S. Michigan Boulevard

FACULTY MEMBERS

John J. Schommer
Walter H. Seegrist

ACTIVE MEMBERS

Frederick S. Beale
Louis W. Biegler
James E. Bryant
Edward O. Dase
Ronald P. Dobson
Ellsworth E. Eberth
George H. Gray
Howard S. Hendricks
Wm. John Hufschmidt
Donald L. Jacobson
James W. Juvinall
Edwin H. Knox
Ralph E. Lake
Willard C. McCarty
T. Arthur Marow
John H. Miller
Carl H. Sachs, Jr.
Carroll K. Simons
Russell F. Sullivan
Paul J. Thompson
J. Robert Van Dyke
John S. Walker
George W. Wheaton

Blaise A. Guetler, Alpha Theta

Juvinall, Dase, Eberth, Simons
Miller, Sullivan, Dobson, Bryant
Sachs, Jacobson, Lake, Anderson

Colors
Old
Gold
and
Black

STELLIS AEQUUS DURANDO

Flower
None

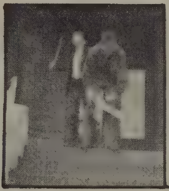
SOCIAL CALENDAR

Rushee Dance	October 17
Founder's Day Banquet	October 19
House Dance	November 6
Alumni Smoker	November 20
Pledge Dance	December 4
Parents' Reception	December 13
New Year's Dance	December 31
Tri-Chapter Initiation	February 19
House Dance	April 1
Alumni Smoker	April 15
Chapter Picnic	May 15
Senior Farewell Party	May 27

Schrage, Soldal, Marow, Van Dyke
Hendricks, Thompson, Wheaton, Bigelow, McCarty
Gray, Hufschmidt, Walker, Beale

CHAPTER ROLL

ALPHA	University of Pennsylvania
DELTA	Washington and Jefferson College
EPSILON	Dickinson College
ZETA	Franklin and Marshall College
ETA	University of Virginia
IOTA	Columbia University
KAPPA	Dartmouth College
LAMBDA	University of North Carolina
MU	Tulane University
OMICRON	University of Oklahoma
RHO	University of Illinois
TAU	Randolph-Macon College
UPSILON	Northwestern University
PHI	University of Richmond
PSI	Pennsylvania State College
ALPHA ALPHA	Washington and Lee University
ALPHA BETA	University of Toronto
ALPHA GAMMA	West Virginia University
ALPHA DELTA	University of Maine
ALPHA EPSILON	Armour Institute of Technology
ALPHA ZETA	University of Maryland
ALPHA ETA	University of South Carolina
ALPHA THETA	University of Wisconsin
ALPHA IOTA	Vanderbilt University
ALPHA KAPPA	University of Alabama
ALPHA LAMBDA	University of California
ALPHA MU	Massachusetts Institute of Technology
ALPHA NU	Georgia School of Technology
ALPHA XI	Purdue University
ALPHA OMICRON	University of Michigan
ALPHA PI	University of Chicago
ALPHA RHO	Cornell University
ALPHA SIGMA	University of Minnesota
ALPHA TAU	Leland Stanford Junior University
ALPHA UPSILON	University of Washington
ALPHA PHI	State University of Iowa
ALPHA CHI	Ohio State University
ALPHA PSI	University of California at Los Angeles



DELTA TAU DELTA

Founded at Bethany College in 1859

GAMMA BETA CHAPTER
Established 1901
3155 South Michigan Boulevard

FACULTY MEMBER

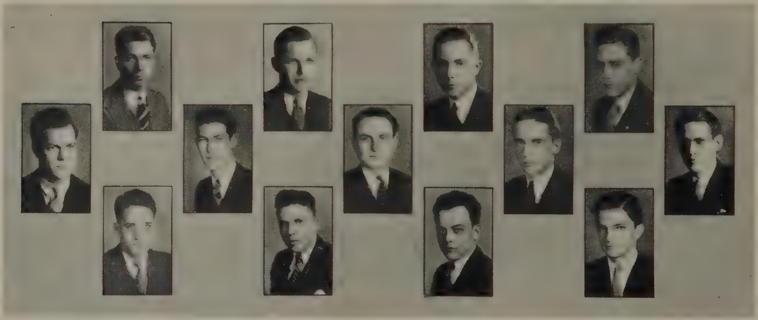
Arthur H. Carpenter

ACTIVE MEMBERS

Marshall R. Beal
Spencer B. Cone
James R. Duncan
Raul H. Frye
George G. Gebhardt
Francis M. Gibian
John R. Jackson, Jr.
Walter H. Larson
Thomas D. Luckett
Paul N. Malm
John R. McLane
David W. Pearson
Harold A. Pearson
Thomas C. Peavey
Glen W. Schodde
Robert H. Schorling
Louis H. Streb
Robert W. Tufts

PLEDGES

Hugh Bisbee
Warren B. Burkhardt
Ray Charles
Lawrence W. Davidson
Ellis Doane
Earl R. Fenske
Ray H. Kellogg
Matthew Sumner
Richard K. Thayer
Edward Vendley



Pearson, Jackson, Schodde, Beal
Luckett, Cone, Peavey, Gibian, Peterson
Streb, H. Pearson, Frye, Larson

Colors
Purple, White and Gold

Flower
Pansy

SOCIAL CALENDAR

Rush Dance	October 10
House Dance	November 26
Pledge Dance	December 5
Mothers' Club Tea	January 17
Semester's End Dance	February 2
Depression Drag	March 12
23d Annual Delt Prom	April 1
Mothers' Club Bridge Tea	April 3
Spring Dance	April 23
Mothers' Day Tea	May 8
Founders Day Banquet	May 10
Senior Dance	May 21
Beach Party	June 7

Schorling, Gebhardt, Charles, Fenske
Kellogg, Malm, Tufts, Duncan, Thayer
Bisbee, Burkhardt, Doane, Davidson

CHAPTER ROLL

PI	University of Mississippi
PHI	Washington and Lee University
BETA DELTA	University of Georgia
BETA EPSILON	Emory University
BETA THETA	University of the South
BETA IOTA	University of Virginia
BETA XI	Tulane University
GAMMA ETA	George Washington University
GAMMA IOTA	Universit yof Texas
GAMMA PSI	Georgia School of Technology
GAMMA OMEGA	University of North Carolina
DELTA ALPHA	University of Oklahoma
DELTA DELTA	University of Tennessee
DELTA EPSILON	University of Kentucky
DELTA ZETA	University of Florida
DELTA ETA	University of Alabama
DELTA KAPPA	Duke University
OMICRON	University of Iowa
BETA GAMMA	University of Wisconsin
BETA ETA	University of Minnesota
BETA KAPPA	University of Colorado
BETA PI	Northwestern University
BETA RHO	Leland Stanford Junior University
BETA TAU	University of Nebraska
BETA UPSILON	University of Illinois
BETA OMEGO	University of California
GAMMA ALPHA	University of Chicago
GAMMA BETA	Armour Institute of Technology
GAMMA THETA	Baker University
GAMMA KAPPA	University of Missouri
GAMMA MU	University of Washington
GAMMA PI	Iowa State College
GAMMA RHO	University of Oregon
GAMMA TAU	University of Kansas
GAMMA CHI	Kansas State College
DELTA GAMMA	University of South Dakota
DELTA IOTA	University of California at Los Angeles
DELTA LAMBDA	Oregon State College
DELTA MU	University of Idaho
BETA	Ohio University
DELTA	University of Michigan
EPSILON	Albion College
ZETA	Western Reserve University
KAPPA	Hillsdale College
MU	Ohio Wesleyan University
CHI	Kenyon College
BETA ALPHA	Indiana University
BETA BETA	DePauw University
BETA ZETA	Butler College
BETA PHI	Ohio State University
BETA PSI	Wabash College
GAMMA LAMBDA	Purdue University
GAMMA XI	University of Cincinnati
GAMMA UPSILON	Miami University
ALPHA	Allegheny College
GAMMA	Washington and Jefferson College
NU	Lafayette College
RHO	Stevens Institute of Technology
TAU	Pennsylvania State College
UPSILON	Rensslalaer Polytechnic Institute
OMEGA	University of Pennsylvania
BETA LAMBDA	Lehigh University
BETA MU	Tufts College
BETA NU	Massachusetts Institute of Technology
BETA OMICRON	Cornell University
BETA CHI	Brown University
GAMMA GAMMA	Dartmouth College
GAMMA DELTA	West Virginia University
GAMMA ZETA	Wesleyan University
GAMMA NU	University of Maine
GAMMA OMICRON	Syracuse University
GAMMA SIGMA	University of Pittsburgh
GAMMA PHI	Amherst College
DELTA BETA	Carnegie Institute of Technology
DELTA THETA	University of Toronto

ΔΤΔ
ΔΤΔ

THETA XI

Founded at Rensselaer Polytechnic Institute in 1864

ALPHA GAMMA CHAPTER
Established 1922
3305 South Michigan Boulevard

FACULTY MEMBERS

Charles E. Paul
John C. Penn
Robert V. Perry
Arthur W. Sear

ACTIVE MEMBERS

Wilbur E. Baumann
George R. Belton
John L. Brenner
Roy W. Carlstrom
James J. Casey
Frank Cassil
Norman E. Colburn, Jr.
A. Edward Colcord
Milton Collick
Ray L. Ellis
Carl M. Hansen
William D. Jackson
Carlton Landis
J. Arthur Larson
Russell E. Long
Elmer G. Lundin
David S. Mansen
Robert F. Meehan
Richard J. Mulroney
Clifford A. Nelson
Raymond E. Nelson
Jack R. Pechman
Leonard G. Rummel
Emmett A. Scanlan, Jr.
William Scharringhausen
Carl Seaberg
William T. Smethells
Vincent Smith
Jarl T. Sorensen
W. Walch Tyler
Lee Willis

PLEDGES

Clyde Adair
Lodge McKibben
Fred Schwab
William Wilson

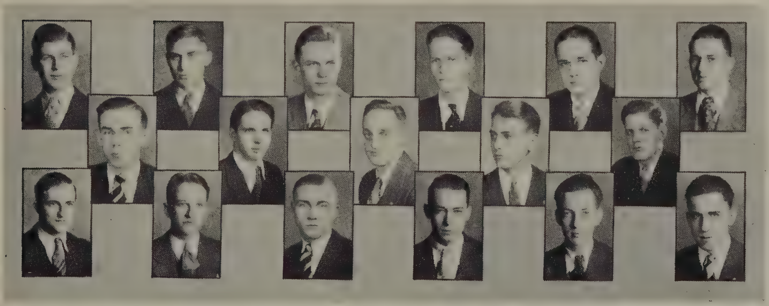
Jackson, Baumann, Scanlan, Mulroney, Collord
Collick, Belton, Casey, R. Nelson, C. Nelson, Long
Smethells, Meehan, Tyler, Sorensen, Pechman

Colors
Blue and White

Flower
None

SOCIAL CALENDAR

Radio Dance	October 3
Rush Dance	October 9
Alumni Smoker	October 10
Radio Dance	October 31
Pledge Dance	November 20
Radio Dance	December 5
Christmas Dance	December 19
Radio Dance	January 9
Alumni Smoker	January 23
Dinner Dance	February 6
Mother Day	February 22
Radio Dance	March 5
Radio Dance	March 19
Hard Times Party	April 2
Radio Dance	April 23
Formal Dinner Dance	May 7
Picnic	May 28

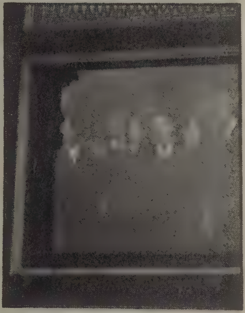


Cassil, McKibben, Lundin, Ingram, Rummell, Willis
Colburn, Manson, Schwab, Adair, Larson
Brenner, Smith, Ellis, Landis, Hanson, Scharringhausen

CHAPTER ROLL

ALPHA	Rensselaer Polytechnic Institute
BETA	Sheffield Scientific School of Yale University
GAMMA	Stevens Institute of Technology
DELTA	Massachusetts Institute of Technology
EPSILON	Columbia University
ZETA	Cornell University
ETA	Lehigh University
THETA	Purdue University
IOTA	Washington University
KAPPA	Rose Polytechnic Institute
LAMBDA	Pennsylvania State College
MU	Iowa State College
NU	University of California
XI	State University of Iowa
OMICRON	University of Pennsylvania
PI	Carnegie Institute of Technology
RHO	University of Texas
SIGMA	University of Michigan
TAU	Leland Stanford Jr. University
UPSILON	University of Washington
PHI	University of Wisconsin
CHI	Ohio State University
PSI	University of Minnesota
OMEGA	Washington State College
ALPHA ALPHA	Louisiana State University
ALPHA BETA	University of Illinois
ALPHA GAMMA	Armour Institute of Technology
ALPHA DELTA	Oregon State College
ALPHA EPSILON	University of Nebraska
ALPHA ZETA	University of California at Los Angeles
ALPHA ETA	University of Colorado
ALPHA THETA	Lafayette College
ALPHA IOTA	Kansas State College

ANCE



SIGMA KAPPA DELTA

Founded at Armour in 1922

ALPHA CHAPTER

3344 South Michigan Boulevard

FACULTY MEMBERS

Henry T. Heald
William H. Lautz
Charles W. Leigh
Edwin S. Libby
David P. Moreton
James C. Peebles

ACTIVE MEMBERS

Victor H. Camsky
Luke G. Cosme
Harold R. Davis
Diamond S. Dickey
Charles H. Fox
Bertil Hanson
Charles C. Hawes
Charles J. Jens
Philip H. Korrell
Bradford Larson
Orville G. Linnell
George M. Reed
Harry P. Richter
Joseph Stehno
Gervase J. Stockmann

PLEDGES

Emmett H. Babcock
Roy S. Kercher
A. Paul Troemper
Alexander Kulpak

Jens, Hawes, Korrell, Davis, Camsky
Fox, Stockman, Linnell, Richter

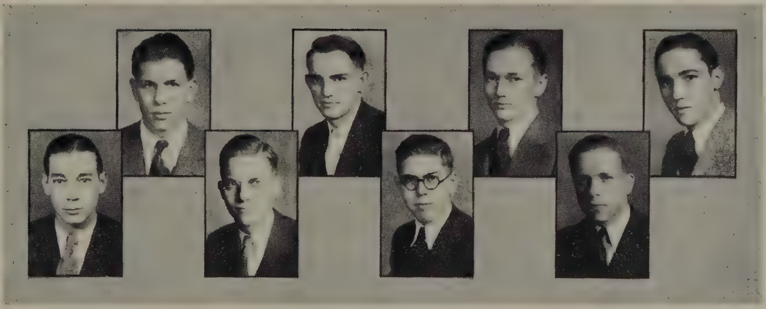
Colors
Lavender and White

SIGMA KAPPA DELTA

Flower
White Rose

SOCIAL CALENDAR

Rush Dance	October 10
Hallowe'en Party	October 31
Christmas Dance	December 19
Alumni Smoker	January 11
Pledge Dance	February 6
Radio Dance	March 5
Alumni Smoker	March 31
Hard Times Party	April 23
Senior Farewell Party	May 21
Beach Party	May 30



Kercher, Stocking, Larson, Reed
Stehno, Landwer, Hanson, Troemper

LOCAL FRATERNITY

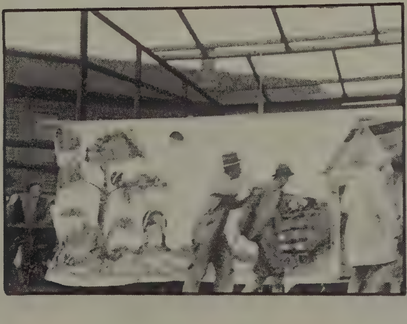
Twenty years ago, on September 20, 1912, Sigma Kappa Delta Fraternity was founded. It now ranks as the fourth oldest of the fraternities on the Armour Campus. It is the oldest local fraternity in existence at Armour Institute.

In 1912, ten men who were not satisfied with fraternity conditions at Armour petitioned the Executive officers of the Institute that they might organize a fraternity that would promote high scholarship and school activities with less emphasis on social functions.

Permission was readily granted and the fraternity was founded. With these ideals in mind Sigma Kappa Delta men have carried on through these many years with an unbounded degree of success.

The House publishes a monthly news information bulletin called the "Triangle" which is distributed to all active and alumni members of the fraternity.

MÜNCHNER HOFBRAU



PHI PI PHI

Founded at Northwestern University in 1915

GAMMA CHAPTER

Established 1923

3131 South Michigan Boulevard

FACULTY MEMBERS

Ernest H. Freemen
Carl Johnson
Otto Kuehn
Daniel Roesch

ACTIVE MEMBERS

Howard J. Cameron
Stanley A. Carlson
James Castanes
James E. Clayson
Joseph B. Finnegan, Jr.
Donald R. Gregerson
Stanley G. Grundstrom
George J. Hill
Richard L. Kaup
Thelford E. Kelch
Henry F. Leichtenberg
James L. Lynch
John I. McLennan
Charles R. Mitchell
Armin J. Mueller
John C. Owen
Clarence J. Robin
John A. Rohrer
George R. Sieferth
Robert W. Simpson

PLEDGES

Loy A. Callen
Daniel J. Casey
John M. Curran
Richard L. Friede
Edward Gisske
George A. Hanes
Warren L. Hockert
Miles Hora
Raymond J. Pflum
Robert P. Samuels
George L. Savidis
Donald Storey
John W. Zimmerman

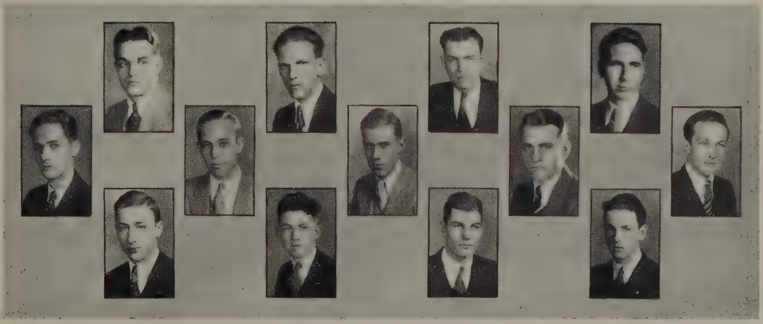
Owen, Mueller, Mitchell, Seiferth
Carlson, Robin, McLennan, Hill, Grundstrom
Leichtenberg, Clayson, Finnegan, Rhorer

Colors Turquoise
Blue and Black

Flower
Bluebell

SOCIAL CALENDAR

Rushee Dance	October 10
Pledge Dance	November 21
St. Valentine Party	February 17
Formal Dinner Dance	March 19
Farewell Party	May 26

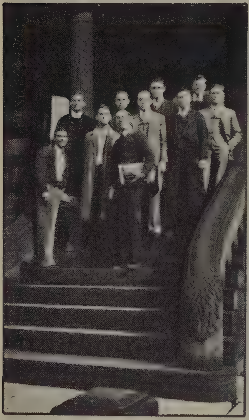


Cartanes, Simpson, Curran, Sevidis
Cameron, Kaup, Hanes, Callen, Zimmerman
Kelch, Lynch, Storey, Samuels

CHAPTER ROLL

ALPHA	Northwestern University
BETA	University of Chicago
GAMMA	Armour Institute of Technology
DELTA	University of Illinois
EPSILON	Washburn College
ZETA	University of Wisconsin
ETA	University of Utah
THETA	University of California
IOTA	Washington and Jefferson
LAMBDA	Case School of Applied Science
MU	Baldwin-Wallace College
NU	Westminster, New Wilmington
XI	North Carolina State College
OMICRON	University of Mississippi
PI	University of South Carolina
RHO	St. Lawrence University
SIGMA	Pennsylvania State College
TAU	University of Tennessee
UPSILON	Oregon State College
PHI	Purdue University

PHI PI PHI



SIGMA ALPHA MU

Founded at College of The City of New York in 1909

SIGMA EPSILON CHAPTER

Established 1922

3247 South Michigan Boulevard

ACTIVE MEMBERS

Orville T. Barnett
Stanley Bernstein
Alvin M. Hoffberg
Sidney H. Morris
Herbert Kreisman

PLEDGES

Bernard Abrams
Milton J. Winogrond
Irving Addis

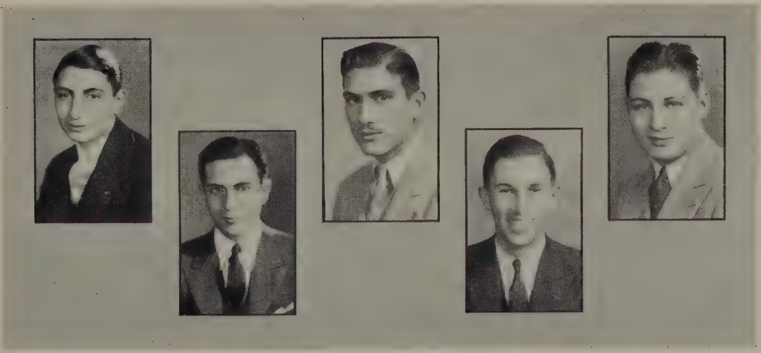
Edelman, Kreisman, Hahn, Haffberg, Winogrond

Colors
Purple and White

Flower
Purple Aster

SOCIAL CALENDAR

Smoker	October 2
Annual Pledge Party	November 13
House Party	December 11
National Convention	December 25, 26, 27
Founders' Day Dinner Dance	February 5
Smoker	February 19
House Party	March 11
Initiation Banquet	March 25
Conclave of Midwest and Central Provinces	April 9, 10
Chicago Alumni Banquet	May 6
Farewell Banquet	June 3



Shapiro, Barnett, Morris, Bernstein, Abrams

CHAPTER ROLL

ALPHA	College of the City of New York
BETA	Cornell University
DELTA	Long Island Medical College
ETA	Syracuse University
THETA	University of Pennsylvania
KAPPA	University of Minnesota
LAMBDA	Harvard University
NU	Buffalo University
XI	Massachusetts Institute of Technology
OMICRON	University of Cincinnati
PI	Yale University
RHO	University of Illinois
TAU	University of Alabama
UPSILON	University of Utah
PHI	Washington University
CHI	McGill University (Canada)
PSI	Pittsburgh University
OMEGA	Toronto University (Canada)
SIGMA ALPHA	University of Oklahoma
SIGMA BETA	Ohio State University
SIGMA GAMMA	Tulane University
SIGMA DELTA	Rutgers University
SIGMA EPSILON	Armour Institute of Technology
SIGMA ZETA	Indiana University
SIGMA ETA	Purdue University
SIGMA THETA	University of Texas
SIGMA IOTA	University of Michigan
SIGMA KAPPA	Lehigh University
SIGMA LAMBDA	University of Kansas
SIGMA NU	University of Washington
SIGMA XI	University of Manitoba
SIGMA OMICRON	University of Nebraska
SIGMA PI	University of California (Los Angeles)
SIGMA RHO	University of Missouri
SIGMA SIGMA	University of California (Berkeley)

RHO DELTA RHO

Founded at Armour in 1919

ALPHA CHAPTER
3116 S. Michigan Boulevard

HONORARY MEMBER

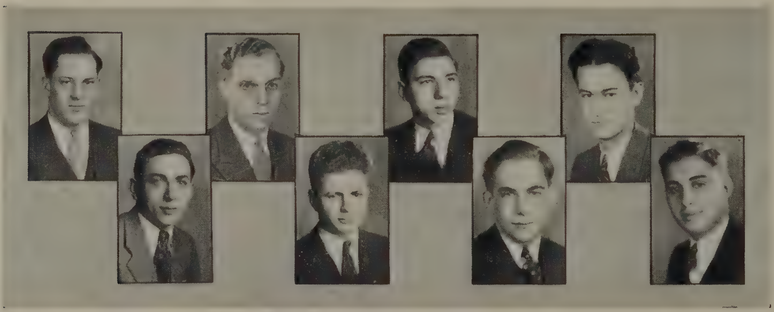
Professor Henry L. Nachman

ACTIVE MEMBERS

Joseph Aaron
Archie Anders
Sidney Cannell
Theodore Cohan
Louis D'Alba
Albert Feinberg
Henry Fischman
Edward Goldstein
Ira Krawitz
Herman Meyer
Sam Milevsky
Jack Weiland
Harold Feldman

PLEDGES

Leo Frandzel
Charles Goldberg
Charles Handler
Milton Heller
Jerry Hilfman
Alfred Rosen
Edwin Schneebalg
Jack Weiland



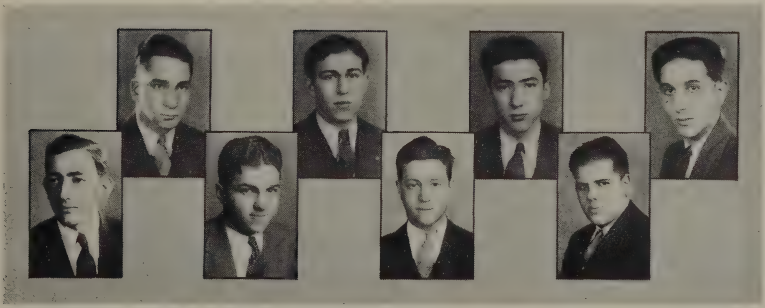
Cohan, Rosen, Krawitz, Anders
Milevsky, Goldberg, Feinberg, Cannell

Colors
Orange and Black

Flower
Acacia

SOCIAL CALENDAR

House Warming Party	October 10
Smoker	October 23
Pledge Dance	October 30
Initiation Banquet	November 14
Hallowe'en Party	November 21
New Year Party	December 31
Sleighing Party	February 5
Initiation Banquet	March 3
Formal Dinner Dance	May 7
Farewell Party	June 5

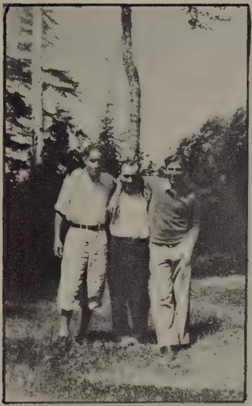


Handler, Meyer, Fishman, D'Alba
Feldman, Hilfman, Scheeblag, Weiland

LOCAL FRATERNITY

In the latter months of 1918, several students at Armour Institute of Technology, led by the true spirit of college fraternalism, laid plans for the organization of a fraternity. After a short while the group took definite steps towards becoming a recognized fraternity on the Armour campus. On August 27, 1919, the Rho Delta Rho Fraternity was chartered. Soon afterward a formal petition was drawn up and presented to the Institute. Their petition was accepted and in February, 1920, Rho Delta Rho was established on the Armour campus as a local fraternity.

The initial membership of this group was only ten in number but because of the ideals set by these ten charter members and the sincerity of the men following in their steps the fraternity has thrived and increased in both size and importance on the campus. The fraternity, in spite of its comparative age with others, has done unusually well. It now boasts an active membership of twelve men and a large alumni group.



TRIANGLE

Founded at University of Illinois in 1907

ARMOUR CHAPTER

Established 1923

3222 South Michigan Boulevard

FACULTY MEMBERS

Phillip C. Huntly
William F. McCaughey
Sholto M. Spears
Charles A. Tibbals

HONORARY MEMBERS

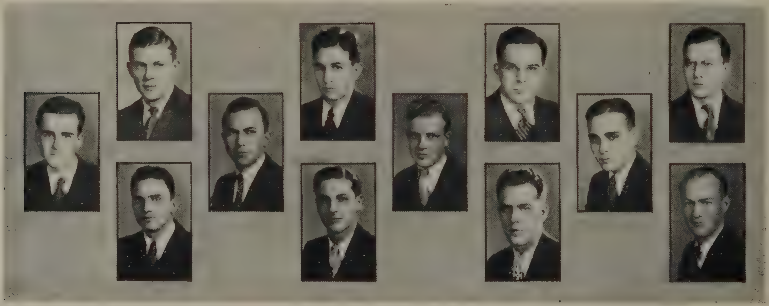
Harold R. Phalen
Walter A. Reinert

ACTIVE MEMBERS

Vernon C. Alexander
William L. Bengtson
Gunner E. Berglund
Harold W. Bodinson
Arthur J. Cohrs
Raymond J. Dufour
Roy Ekroth
Edwin C. Kenner
Stephen M. Lillis
Stanley M. Lind
William A. Malloy
George B. McBrady
Walter A. McWilliams
Arthur W. Oberbeck
Harvey C. Rossing
Edwin A. Runge
John E. Schrenier
William B. Schultz
Eric H. Smith
Maynard Venema
Roger F. Waindle
Roy F. Young

PLEDGES

John J. Bachner
G. Hattel
James F. Manly
R. Tegtmeyer



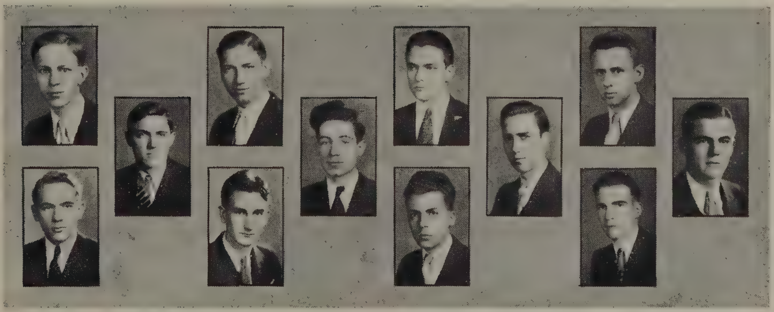
McWilliams, Lind, Dufour, Kenner
Oberbeck, Bengston, Rossing, Bodinson
Waindle, Young, Venema, Schultz

Colors
Old Rose and Grey

Flower
None

SOCIAL CALENDAR

Rushee Dance	October 11
Alumni Smoker	November 14
Snow Ball	December 19
Dinner Dance	February 3
Smoker	March 23
Founders Day Banquet	April 15
Spring Dance	April 30



Schreiner, Runge, Ekroth, Cohrs
Alexander, Malloy, Bachner, Berglund
Hettel, Tegtmeyer, McBrady, Smith

CHAPTER ROLL

ILLINOIS	University of Illinois
PURDUE	Purdue University
OHIO	Ohio State University
WISCONSIN	University of Wisconsin
KENTUCKY	University of Kentucky
CINCINNATI	University of Cincinnati
IOWA	University of Iowa
MINNESOTA	University of Minnesota
ARMOUR	Armour Institute of Technology
MICHIGAN	University of Michigan
KANSAS	University of Kansas
MISSOURI MINES	Missouri School of Mines
PENN STATE	Pennsylvania State College
SOUTH DAKOTA MINES	South Dakota School of Mines

BETA PSI

Founded Jointly at Armour and University of Illinois in 1924

BETA CHAPTER

Established 1924

3337 South Michigan Boulevard

FACULTY MEMBERS

Walter J. Bentley
John F. Mangold

ACTIVE MEMBERS

LeRoy S. Anderson
Walter C. Breh
Karl Brusa
Emmett L. Cordes
Jerome B. Dirkers
Charles H. Hostetter
Alton J. Jungels
Joseph L. Kubicka
William W. Lange
Leonard V. Melcarek
Michael M. Miccucio
Ralph L. Scafuri
Harry C. Setterberg
Dean B. Snapp
Otto W. Staib
Arthur L. Steinhaus
Walter M. Trauten
Elmer A. Wegner

PLEDGES

Everett W. Aschoff
Armand J. Hahn
John F. Humiston
James A. McBride
Newton W. Snashall
Edward F. Staron
Roy H. Wittikindt
Howard J. Zibble

Setterberg, Dirkers, Staib, Miccucio
Wegner, Breh, Snapp, Cordes, Trauten
Jungels, Wm. Lange, Patla, Melcarek

Colors
Black and Gold

Flower
None

SOCIAL CALENDAR

Rush Smoker	October 9
Rush Dance	October 10
Theatre Party	October 12
Pledge Dance	October 31
Thanksgiving Dance	November 21
Christmas Dance	December 19
Annual Alumni Smoker	December 27
Valentine Party	February 13
Initiation Banquet	February 28
Surprise Party	March 20
Easter Dance	March 26
Parents' Day	May 7
Senior Farewell	May 28
Hardtimes Party	April 23

McBride, R. Lange, Staron, Wittekindt, Aschoff
Humiston, Johnson, Anderson, Steinhaus, Hahn, Zibble
Snashall, Scafuri, Hostetter, Kubicka, Brusa

CHAPTER ROLL

ALPHA	University of Illinois
BETA	Armour Institute of Technology
DELTA ALPHA	Cornell University
DELTA BETA	Middlebury College
GAMMA	Lake Forest University

KAPPA DELTA EPSILON

Organized as Umen in 1922

Reorganized as Kappa Delta Tau in 1924
Chartered as Kappa Delta Epsilon in 1931

ALPHA CHAPTER
3335 South Michigan Boulevard

FACULTY MEMBER

Joel M. Jacobson

ACTIVE MEMBERS

Max Berger
Edmund Field
Harold Goldman
William A. Holland
Norman Krause

Melvin S. Ratner
Philip Rosenfeld
George Rosenthal
Joseph L. Tuchinsky
Morris J. Wise

PLEDGES

Jack Bard
Milton Hoffman

Leonard Marcus
Marshall Schanen

Holland, Berger, Field, Ratner

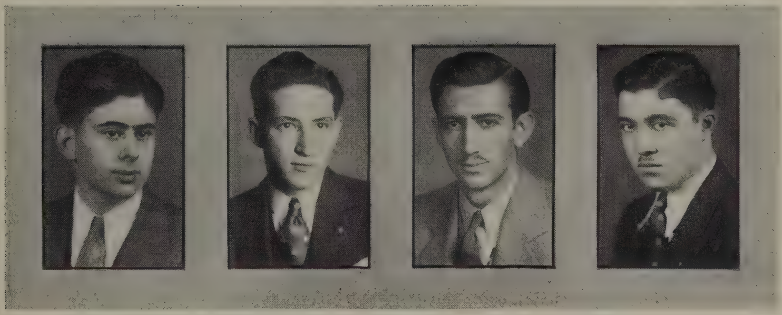
Colors
Blue and White

KAPPA DELTA TAU

Flower
None

SOCIAL CALENDAR

Rushing Smoker	October 2
New Year's Party	January 1
Theatre Party	February 5
Pledging Smoker	November 10
Initiation at Dunes	March 17-19
Initiation Smoker	April 11
Dance	May 6
Farewell Dinner	June 3



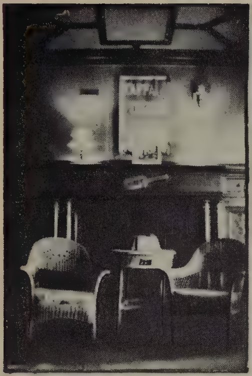
Hoffman, Schanen, Tuchinsky, Bard

LOCAL FRATERNITY

Kappa Delta Epsilon had its inception on March 19, 1922. This organization was given the name "Umen,"—taken from the ancient Hebrew. Its true meaning is "Builder," and thus portrays the ideals of the group gathered under its banner. The Umen was officially recognized by the Institute in April, 1922. Later it was reorganized as a fraternity and chartered in 1924.

In 1926, in compliance with a suggestion from the Institute, the name was changed from Umen to the Greek Letter term, Kappa Delta Tau. Under the new name, symbolical of the fraternity's ideals, they have rapidly advanced and they now hold a meritorious position among the social organizations on the campus.

In 1931 the fraternity was incorporated under the laws of the state of Illinois and in order to avoid duplication of the name it was changed to Kappa Delta Epsilon.



Venema, Field, Jungels, Fox
Barnett, Scanlan, Simons, Schodde

INTERFRATERNITY COUNCIL

John R. Jackson, *Delta Tau Delta* . . . . President

Phi Kappa Sigma	Carroll K. Simons
Delta Tau Delta	Glen W. Schodde
Theta Xi	Emmett A. Scanlan
Sigma Kappa Delta	Charles H. Fox
Phi Pi Phi	Armin J. Mueller
Sigma Alpha Mu	Orville T. Barnett
Rho Delta Rho	Joseph L. Tuchinsky
Triangle	Maynard Venema
Beta Psi	Alton J. Jungels
Kappa Delta Epsilon	Edmund Field

Now five years old, the Armour Interfraternity Council, as it functions at present, controls the relationship between the ten social fraternities at Armour. It is the successor to the old Interfraternity Rushing Committee.

Since its organization the Interfraternity Council has endeavored to bring about a closer relationship between its member organizations and between these organizations and the Institute. Among its duties are the regulation of interfraternity sports, sing, scholarship, and rushing, pledging, and initiation rules.

The council proper is made up of one member from each recognized social fraternity on the campus. This gives every fraternity an opportunity to voice its opinion on any point of common interest through their representative in the Interfraternity Council.

STRAY GREEKS

William G. Booth, Jr.	Wisconsin	Sigma Chi
Edward L. Byanskas	Wisconsin	Kappa Sigma
Robert G. Cheatham	North Carolina	Chi Psi
August J. Kreuzbamp, Jr.	Massachusetts Institute of Technology	Phi Kappa
Charles P. Kuffel	Chicago	Lambda Chi Alpha
Erving G. Schwab	Illinois	Omicron Alpha Tau
William A. Stocklin	Chicago	Lambda Sigma Phi
Stephen A. Vanderpoorten	Illinois	Sigma Phi Sigma

Advertising is business first, literature and art second; but always the sum total of all three.

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The Institute wishes to extend its thanks to students and alumni who are giving their support to the Armour Development Plan. By making it possible for the Board of Trustees and the Administration to go forward immediately with the plans, they have become active participants in development of the Institute.

As this work is carried on, step by step, students and alumni who continue to participate, no longer by merely giving their support, but by maintaining close contact with the school, and by identifying their own interests with those of the school—these will have played a most significant part in the application to engineering education of the whole new principle of service which is embraced in the Development Plan.

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